

SECTION VII

1. ENVIRONMENTAL REPORTS



ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

January 12, 2009

Mr. Eric Yong Ho Kim
Nara Bank
16 West 32nd St
New York, NY 10001

68 [REDACTED]

**Re: Summary Letter of Phase II Subsurface Investigation
1199-1221 Sutter Avenue, Brooklyn, New York**

Dear Mr. Kim:

The following provides the results of the Phase II environmental investigation performed by Atlantic Environmental Solutions, Inc. (AESI) at the referenced property located in Brooklyn, New York ("subject property" or "site"). On January 6, 2009, AESI visited the property to conduct a Phase II subsurface investigation. The investigation consisted of a soil boring program for the collection of soil and groundwater samples to evaluate the impacts of historic dry cleaning operations at the site.

The following provides a brief summary of the results of the subsurface investigation, as well as AESI's recommendations. Refer to Figure 1 (attached) for a site location map.

Soil Sampling and Analysis Methodology

AESI advanced five (5) soil borings (S1, S2, S3, S4 and S5) to a depth of sixteen (16) feet in the parking lot on the north side of the subject property. Soils encountered at each boring were screened for volatile organic vapors using a Photo Ionization Detector (PID). A total of six (6) soil samples were collected during the investigation. One (1) soil sample was collected from each boring where PID readings indicated the highest concentrations of volatile organic compound (VOCs). An additional soil sample was collected below the groundwater table from soil boring S-3 to evaluate the possible impacts of chlorinated solvents at depth due to the historic dry cleaning operations.

Two (2) groundwater samples were collected from temporary well points in soil borings S2 and S3. Each sample was collected using disposable bailers at a depth of sixteen (16) feet below ground surface (bgs) in each borehole.

Soil and groundwater samples were submitted for laboratory analyses of VOCs and semi-volatile organic compounds (SVOCs). All samples were placed in an ice-filled cooler and delivered to Integrated Analytical Laboratories, LLC (IAL) of Randolph, New Jersey. IAL is a New York-certified analytical laboratory (#11402) whose QA/QC manual is currently on file with the State. Please see Attachment A for copies of the soil boring logs. See Figure 2 for sample locations.

Soil Sampling Analytical Results

A total of six (6) subsurface soil samples were collected from the subject property on January 6, 2009. Please see Table 1 for a summary of laboratory results and Figure 2 for soil sample locations. The laboratory analytical report is included as Attachment B.

Analyses of soil samples identified one (1) VOC, tetrachloroethene (PCE), above the New York State Department of Environmental Conservation (NYSDEC) soil clean up standards. PCE was identified at a concentration of 37.5 parts per million (ppm), compared with the NYSDEC soil cleanup standard of 1.4 ppm. This sample was collected at a depth of ten (10) feet below ground surface (bgs) from soil boring S3, which was completed directly adjacent to the former dry cleaning facility. PCE is a chlorinated solvent that is known to be typically associated with dry cleaning operations.

Several SVOCs, including benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(p)pyrene and dibenz(a,h)anthracene were identified in soils slightly above the NYSDEC soil cleanup criteria standards in Soil Borings SB1 and SB4. There is currently no known source for these SVOCs at the subject property, and the low levels identified on-site may be an indication of background levels.

Groundwater Sampling Analytical Results

Two (2) in-situ groundwater samples were collected from temporary well points at the subject property on January 6, 2009. Samples were collected from borings S2 and S3 at a depth of sixteen (16) feet below ground surface (bgs) in each borehole. Please see Table 1 for a summary of laboratory results for these samples and Figure 2 for soil sample locations. The laboratory analytical report is included as Attachment B.

Analyses of groundwater samples identified several VOCs above the NYSDEC's groundwater standards at each soil boring location. VOCs above NYSDEC standards include acetone, methylene chloride, trichloroethene (TCE) and PCE. PCE and TCE are both chlorinated solvents which are typically associated with dry cleaning operations. The highest concentrations of PCE and TCE were identified in boring S-3, at 1,480 parts per billion (ppb) and 51.2 ppb respectively. PCE and TCE concentrations in boring S-2 were identified at 187 ppb and 1.5 ppb respectively. The NYSDEC groundwater standard for both PCE and TCE is 5 ppb.

One SVOC, chrysene, was found above the NYSDEC groundwater standard in soil boring SB3. Chrysene was identified at 0.219 ppb, compared with the NYSDEC standard which is 0.002 ppb.



January 12, 2009

Conclusions/Recommendations

During the January 6, 2009 subsurface investigation, AESI identified a release of the chlorinated solvents PCE and TCE in soil and groundwater at the site. These chlorinated compounds were identified in two (2) soil boring locations, SB2 and SB3, which were completed within close proximity to eastern portion of the subject property building, which is known to be the location of historic dry cleaning operations. Concentrations of PCE and TCE were identified in soil and groundwater above the NYSDEC criteria standards.

Since a release to the environment has been observed, New York State law requires that the release is reported to the NYSDEC. AESI recommends that the NYSDEC spill hotline (1-800-457-7362) is contacted to report the release.

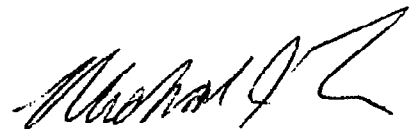
Since concentrations of PCE and TCE were identified in soil and groundwater above their NYSDEC criteria standards, AESI recommends that soil and groundwater remediation is performed at the site.

Should you have any questions or concerns regarding this letter report, please do not hesitate to contact us at (201) 876-9400.

Very truly yours,
Atlantic Environmental Solutions, Inc.



Jeffrey W. Anderson, CHMM
Vice President



Michael Novak
President



FIGURES



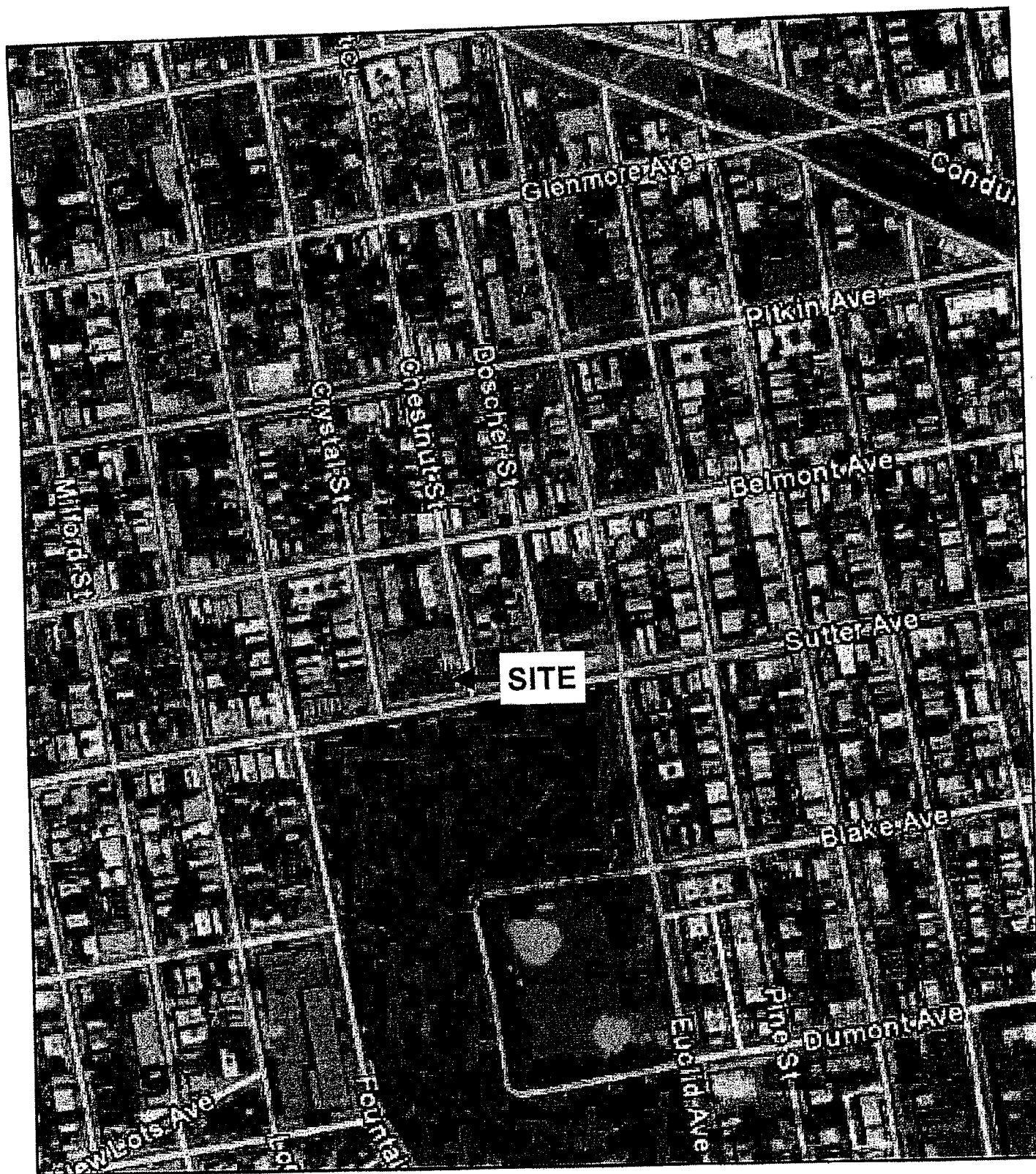
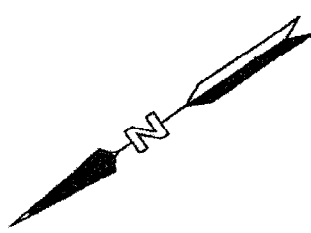


Figure 1: Site Location Map

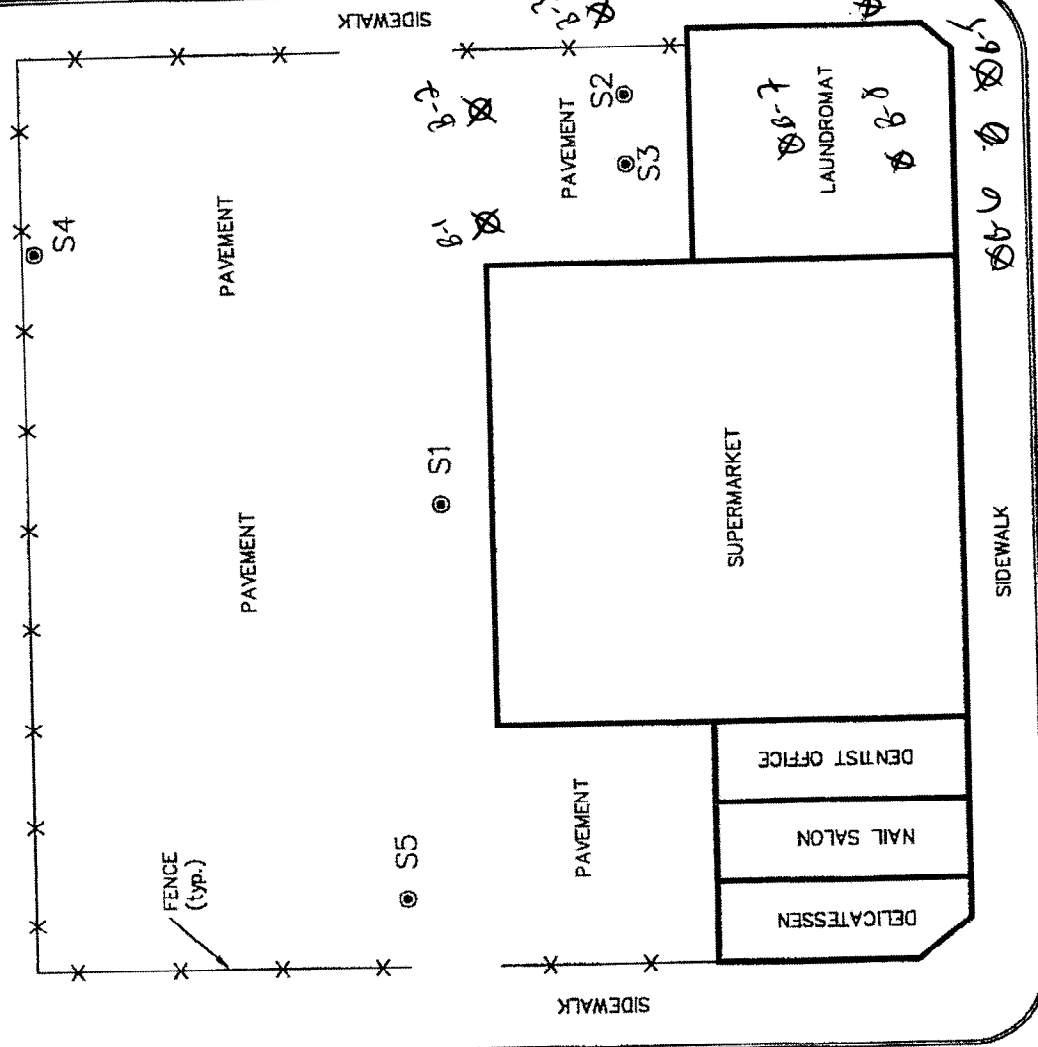
1199-1221 Sutter Avenue
Brooklyn, New York

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



CRYSTAL STREET

CHESTNUT STREET



SUTTER AVENUE

1199 SUTTER AVENUE
BROOKLYN, N.Y.

SOIL BORING LOCATION MAP

FIGURE 2 SCALE: 1" = 40'

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.
5 MARINE VIEW PLAZA-SUITE 303
HOBOKEN NEW JERSEY 07030

LEGEND:

● - SOIL BORING LOCATION

AES2009-1

TABLES



Soil Sampling Results: January 6, 2009

**1199-1221 Sutter Avenue
Brooklyn, New York**

	Client ID: Sample Depth (Ft.): Lab ID: Date Sampled:	NYSDEC Rec Soil Cleanup Objective (ppm)	S1 Soil	S2 Soil	S3 Soil	S3D Soil	S4 Soil	S5 Soil
Volatiles (ppm)								
Vinyl chloride		0.2	ND	ND	ND	ND	ND	ND
Chloroethane		1.9	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		0.4	ND	ND	ND	ND	ND	ND
Acetone		0.2	ND	ND	ND	ND	ND	ND
Carbon disulfide		2.7	ND	ND	ND	ND	ND	ND
Methylene chloride		0.1	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		0.3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		0.2	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)		0.3	ND	ND	ND	ND	ND	ND
Chloroform		0.8	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		0.6	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		0.1	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)		0.06	ND	ND	ND	ND	ND	ND
Benzene		0.7	ND	ND	0.414	ND	ND	ND
Trichloroethene		1.0	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		1.5	ND	ND	ND	ND	ND	ND
Toluene		1.4	ND	ND	37.5	0.443	ND	ND
Tetrachloroethene		0.3	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane		(NA)	ND	ND	ND	ND	ND	ND
Dibromochloromethane		1.7	ND	ND	ND	ND	ND	ND
Chlorobenzene		5.5	ND	ND	ND	ND	ND	ND
Ethylbenzene		1.2	ND	ND	ND	ND	ND	ND
Total Xylenes			ND	ND	ND	ND	ND	ND

Soil Sampling Results: January 6, 2009

**1199-1221 Sutter Avenue
Brooklyn, New York**

Client ID: Sample Depth (Ft.): Lab ID: Date Sampled:	NYSDEC Rec. Soil Cleanup Objective (ppm)	S1 4/5 00107-001 01/06/2009	S2 14/15 00107-002 01/06/2009	S3 10 00107-003 01/06/2009	S3D 14/15 00107-004 01/06/2009	S4 6/7 00107-005 01/06/2009	S5 14/15 00107-006 01/06/2009
Matrix:		Soil	Soil	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.6	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.4	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.6	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.4	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	ND	ND	ND	ND	ND	ND
TOTAL VO's:	NA	ND	ND	37.9	0.443	ND	ND
Semivolatiles - BNA (ppm)							
Phenol	0.03	ND	ND	ND	ND	ND	ND
Aniline	0.1	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	ND	ND	ND	ND	ND	ND
2-Methylphenol	0.100	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.9	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.200	ND	ND	ND	ND	ND	ND
Isophorone	4.40	ND	ND	ND	ND	ND	ND
2-Nitrophenol	0.530	ND	ND	ND	ND	ND	ND
Benzoic acid	2.7	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	ND	ND	ND	ND	ND	ND
Naphthalene	13.0	0.089	ND	ND	ND	ND	ND
4-Chloroaniline	0.220	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.240	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	ND	ND	ND	ND	ND	ND
2-Nitroaniline	0.430	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	2.0	ND	ND	ND	ND	ND	ND

TABLE 1

Soil Sampling Results: January 6, 2009

1199-1221 Sutter Avenue
Brooklyn, New York

Client ID: Sample Depth (Ft.): Lab ID: Date Sampled: Matrix:	NYSDEC Rec. Soil Cleanup Objective (ppm)	S1 4/5 00107-001 01/06/2009 Soil	S2 14/15 00107-002 01/06/2009 Soil	S3 10 00107-003 01/06/2009 Soil	S3D 14/15 00107-004 01/06/2009 Soil	S4 6/7 00107-005 01/06/2009 Soil	S5 14/15 00107-006 01/06/2009 Soil
2,6-Dinitrotoluene	10	ND	ND	ND	ND	ND	ND
Acenaphthylene	410	0.074	ND	ND	ND	ND	ND
3-Nitroaniline	500	ND	ND	ND	ND	ND	ND
Acenaphthene	500	0.150	ND	ND	ND	0.043	ND
2,4-Dinitrophenol	0.200	ND	ND	ND	ND	ND	ND
4-Nitrophenol	0.100	ND	ND	ND	ND	ND	ND
Dibenzofuran	6.2	0.098	ND	ND	ND	ND	ND
Diethyl phthalate	7.1	ND	ND	ND	ND	ND	ND
Fluorene	50.0	0.180	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	ND	ND	ND	ND	ND	ND
Phenanthrene	50.0	1.51	ND	ND	ND	0.471	ND
Anthracene	50.0	0.407	ND	ND	ND	0.098	ND
Di-n-butyl phthalate	8.1	ND	ND	ND	ND	ND	ND
Fluoranthene	50.0	2.73	ND	ND	ND	0.773	ND
Pyrene	50.0	2.47	ND	ND	ND	0.618	ND
Butyl benzyl phthalate	50.0	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	(NA)	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.224	<u>1.63</u>	ND	ND	ND	<u>0.357</u>	ND
Chrysene	0.4	<u>1.65</u>	ND	ND	ND	0.360	ND
Bis(2-ethylhexyl) phthalate	50.0	0.424	0.814	1.46	0.290	0.605	0.429
Di-n-octyl phthalate	50.0	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1.1	1.09	ND	ND	ND	0.213	ND
Benzo[k]fluoranthene	1.1	<u>1.81</u>	ND	ND	ND	0.365	ND
Benzo[a]pyrene	0.06	<u>1.19</u>	0.046	ND	ND	<u>0.245</u>	ND
Indeno[1,2,3-cd]pyrene	3.2	0.342	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	0.014	<u>0.125</u>	ND	ND	ND	ND	ND

TABLE 1

Soil Sampling Results: January 6, 2009

1199-1221 Sutter Avenue
Brooklyn, New York

Client ID: Sample Depth (Ft.): Lab ID: Date Sampled: Matrix:	NYSDEC Rec. Soil Cleanup Objective (ppm)	S1		S2		S3		S3D		S4		S5	
		4/5	14/15	10	14/15	00107-003	00107-002	00107-004	00107-005	00107-006	01/06/2009	01/06/2009	01/06/2009
		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		0.247	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		16.2	0.860	1.46	0.290	4.15	0.429						
Benzo[a]p[er]ylene	50.0												
TOTAL BNA'S:	NA												

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

BOLD= Concentrations above NYSDEC Soil Cleanup Standards

Groundwater Sampling Results: January 6, 2009

1199-1221 Sutter Avenue
Brooklyn, New York

TABLE 2

Client ID:	Sample Depth:	Lab ID:	Date Sampled:	Matrix:
S3 AQ	16	00108-002	01/06/2009	Aqueous
S2 AQ	16	00108-001	01/06/2009	Aqueous
Volatiles (ppb)				
Vinyl chloride	2	50	ND	ND
Chloroethane	50	50	ND	ND
1,1-Dichloroethane	5	50	10.3	113
Acetone	50	50	ND	ND
Carbon disulfide	50	50	ND	51.3
Methylene chloride	5	5	ND	ND
trans-1,2-Dichloroethane	5	5	ND	ND
1,1-Dichloroethane	5	50	ND	ND
2-Butanone (MEK)	50	7	ND	ND
Chloroform	5	5	ND	ND
1,1,1-Trichloroethane	5	5	ND	ND
Carbon tetrachloride	5	5	ND	ND
1,2-Dichloroethane (EDC)	5	0.7	ND	ND
Benzene	5	5	1.50	51.2
Trichloroethene	5	50	ND	ND
4-Methyl-2-pentanone (MIBK)	50	5	ND	ND
Toluene	5	5	187	1480
Tetrachloroethene	5	5	ND	ND
1,3-Dichloropropane	5	50	ND	ND
Dibromochloromethane	50	5	ND	ND
Chlorobenzene	5	5	ND	ND
Ethylbenzene	5	5	ND	ND
Total Xylenes	5	5	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND
1,2,3-Trichloropropane	5	5	ND	ND
1,3-Dichlorobenzene	5	5	ND	ND
1,4-Dichlorobenzene	4.7	5	ND	ND
1,2-Dichlorobenzene	5	5	ND	ND
1,2,4-Trichlorobenzene	5	5	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5	ND	1700
TOTAL VO's:	NA			
SemiVolatiles - BNA (ppb)				
Phenol	1	50	ND	ND
Aniline	5	50	ND	ND
2-Chlorophenol	50	50	ND	ND
2-Methylphenol	5	50	ND	ND
4-Methylphenol	50	50	ND	ND
Nitrobenzene	5	50	ND	ND
Isophorone	50	50	ND	ND
2-Nitrophenol	5	50	ND	ND
Benzoic acid	50	1	ND	ND
2,4-Dichlorophenol	1	10	ND	ND
Naphthalene	5	5	ND	ND
4-Chloroaniline	5	5	ND	ND
4-Chloro-3-methylphenol	5	5	ND	ND
2-Methylnaphthalene	50			

Groundwater Sampling Results: January 6, 2009

1199-1221 Sutter Avenue
Brooklyn, New York

TABLE 2

Client ID:	Sample Depth:	Lab ID:	Date Sampled:	Matrix:	NYSDEC Groundwater/ Standards/ Criteria (ppb)	S2 AQ 16 00108-001 Aqueous	S3 AQ 16 00108-002 Aqueous
2,4,5-Trichlorophenol					1	ND	ND
2-Nitroaniline					5	ND	ND
Dimethyl phthalate					50	ND	ND
2,6-Dinitrotoluene					5	ND	ND
Acenaphthylene					20	ND	ND
3-Nitroaniline					5	ND	ND
Acenaphthene					20	ND	ND
2,4-Dinitrophenol					5	ND	ND
4-Nitrophenol					5	ND	ND
Dibenzofuran					5	ND	ND
Diethyl phthalate					50	0.152	ND
Fluorene					50	ND	ND
Hexachlorobenzene					0.35	ND	ND
1					1	ND	ND
Pentachlorophenol					50	0.246	0.150
Phenanthrene					50	ND	ND
Anthracene					50	ND	ND
Di-n-butyl phthalate					50	0.361	0.482
Fluoranthene					50	ND	0.439
Pyrene					50	ND	0.227
Butyl benzyl phthalate					50	ND	ND
3,3'-Dichlorobenzidine					(NA)	ND	ND
Benz[a]anthracene					0.002	ND	0.219
Chrysene					0.002	ND	ND
Bis(2-ethylhexyl) phthalate					50	ND	ND
Di-n-octyl phthalate					50	ND	ND
Benz[b]fluoranthene					0.002	ND	ND
Benz[k]fluoranthene					0.002	ND	ND
Benz[a]pyrene					0.002	ND	ND
Indeno[1,2,3-cd]pyrene					0.002	ND	ND
Dibenz[a,h]anthracene					50	ND	ND
Benz[ghi]perylene					5	ND	ND
TOTAL BNAS:					NA	0.759	1.52

(IS) = Interim Specific Criteria based on the methodologies and risk assessment approach contained in the GWQS.
 (ISM) = An Interim Specific Criteria (see above), but expressly indicated to ensure consistency with Safe Drinking Water Act Maximum Contaminant Level (MCL); may differ from specific criteria in the GWQS.
 (IGC) = Interim Generic Criteria for synthetic organic chemicals (SOC) with evidence of carcinogenicity; 5 ppb
 (IGNC) = Interim Generic Criteria for SOCs lacking evidence of carcinogenicity; 100 ppb
 (NA) = No Standards Available
 ND = Analyzed for but Not Detected at the MDL
BOLD = Concentrations above NYSDEC Groundwater Standards



SOIL BORING LOGS

APPENDIX A

Atlantic Environmental Solutions, Inc.

Boring for Location: **S1**

5 Marine View Plaza, Suite 303 Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Permit #: N/A Location: Parking Lot Behind Supermarket

Site Name: 1199-1221 Sutter Avenue

Case #:

Owner: Anthony Elledo

Use: Soil sampling

Boring Drill Date: 1/6/09

Type: Grab

Boring Driller: Acorn Drilling

Purge Method: N/A

Boring Rig: Geoprobe

Sample Method: N/A

Driller/Helper: Brett Ambsacher

Sample Parameters: VOC and SVOC

Sampling Method: Grab

Sampler: S. Kelly

G.W. Encountered: 12'

Static Water:
Diameter: 2"

Boring - Depth: 16'

Diameter:

Casing - Length: N/A

Diameter:

Screen - Length: N/A

Diameter:

Screen Type: N/A

Bentonite: N/A

Sand Pack: N/A

Depth to PVC Rim: N/A

Soil/Geologic Description

Boring
Diagram

Depth (ft.) Sample ID and Depth OVM (Meter Units) Blows/12.0" Recovery (feet) Soil Type

Depth (ft.)

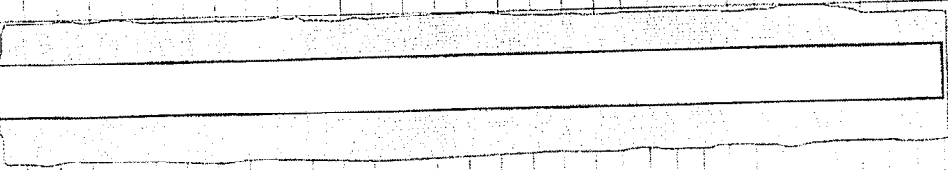
0-4" Asphalt

4"-4'-black fill material

4'-6'-Dark brown sandy soil

12'-Groundwater encountered

6'-16'-Light brown fine to medium sand



Atlantic Environmental Solutions, Inc.

5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
 Phone: (201) 976 9400 Fax: (201) 876 9563

Boring for Location:

S2

Permit #: N/A

Location: Parking Lot Behind Laundromat

Site Name: 1199-1221 Sutter Avenue

Case #:

Owner: Anthony Bileddo

Use: Soil & GW sampling

Boring Drill Date: 1/6/09

Type: Grab

Boring Driller: Acorn Drilling

Purge Method: Disp. Bailor

Boring Rig: Geoprobe

Sample Method: N/A

Driller/Helper: Brett Amshacher

Sample Parameters: VOC and SVOC

Sampling Method: Grab

Sampler: S. Kelly

G.W. Encountered: 12'

Static Water:
Diameter: 2"

Boring - Depth: 16'

Diameter:

Casing - Length: N/A

Diameter:

Screen - Length: N/A

Diameter:

Screen Type: N/A

Diameter:

Bentonite: N/A

Diameter:

Sand Pack: N/A

Diameter:

Depth to PVC Rim: N/A

Diameter:

Soil/Geologic Description

Depth (ft.)

Sample ID and Depth

OVM (Meter Units)

Blows/12.0"

Recovery (feet)

Soil Type

Depth (ft.)

Boring Diagram

0-4"

Asphalt

4"-2'- black soil material

2'-6'-Dark brown sandy soil

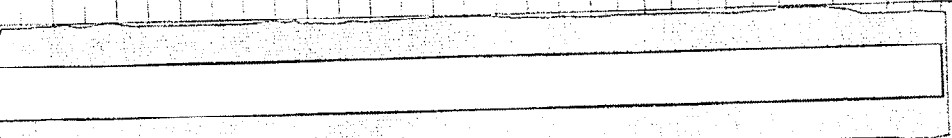
6'-10'-Dark brown sand

10'-12'-Black brown coarse sand

12'-5'-Groundwater encountered

12'-14'-Light brown/gray sand

14'-16'-Reddish brown Sand



Atlantic Environmental Solutions, Inc.

Boring for Location: S3

5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Permit #: N/A

Location: Parking Lot Behind Laundromat

Case #:

Site Name: 1199-1221 Sutter Avenue

Use: Soil sampling

Owner: Anthony Bileddo

Type: Grab

Boring Drill Date: 1/6/09

Purge Method: N/A

Boring Driller: Acorn Drilling

Sample Method: N/A

Boring Rig: Geoprobe

Sample Parameters: VOC and SVOC

Driller/Helper: Brett Amsbacher

Sampler: S. Kelly

Sampling Method: Grab

G.W. Encountered: 12'

Static Water: Diameter: 2"

Boring - Depth: 16'

Casing - Length: N/A

Screen - Length: N/A

Screen Type: N/A

Bentonite: N/A

Sand Pack: N/A

Depth to PVC Rim: N/A

Depth (ft.)	Sample ID and Depth	OVM (Meter Units)	Blows/12.0"	Recovery (feet)	Soil Type	Soil/Geologic Description	Depth (ft.)	Boring Diagram
-------------	---------------------	-------------------	-------------	-----------------	-----------	---------------------------	-------------	----------------

1					0-4"	Asphalt	1	
2					4"-2'-Dark brown sandy soil		2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9					2'-9'-Light brown sandy soil		9	
10					9'-10'-Coarse black sand		10	
11	S-3	15ppm					11	
12					10'-12'-Light brown sand		12	
13							13	
14							14	
15	S-3d	0					15	
16							16	

Atlantic Environmental Solutions, Inc.

5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Boring for Location: **S4**

Permit #: N/A Location: Parking Lot

Case #:

Site Name: 1199-1221 Sutter Avenue

Use: Soil sampling

G.W. Encountered: 12'

Static Water:

Boring - Depth: 16'

Diameter: 2"

Casing - Length: N/A

Diameter:

Screen - Length: N/A

Diameter:

Screen Type: N/A

Bentonite: N/A

Sand Pack: N/A

Depth to PVC Rlm: N/A

Owner: Anthony Bileddo

Boring Drill Date: 1/6/09

Boring Driller: Acom Drilling

Boring Rig: Geoprobe

Driller/Helper: Brett Amsbacher

Sampling Method: Grab

Type: Grab

Purge Method: N/A

Sample Method: N/A

Sample Parameters: VOC and SVOC

Soil/Geologic Description

Boring Diagram

Depth (ft.) Sample ID and Depth OVM (Meter Units) Blows/12.0"

Depth (ft.)

0.4" Asphalt

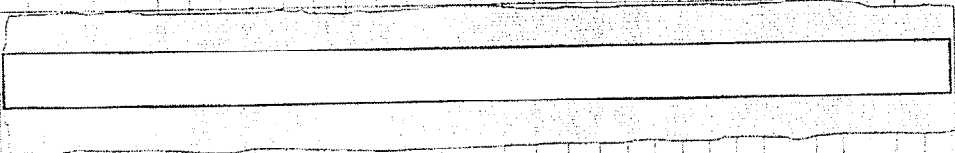
4" 5 Construction debris/F III Material/Dark brown sandy soil

5-6-Dark brown sandy soil

6-8-Light brown sand

S4 35ppm

15-Groundwater Encountered



Atlantic Environmental Solutions, Inc.

Boring for Location: **S5**

5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Permit #: N/A Location: Parking Lot By Crystal Street

Site Name: 1199-1221 Sutter Avenue

Case #:

Owner: Anthony Bileddo

Use: Soil sampling

Boring Drill Date: 1/6/08

Type: Grab

Boring Driller: Acorn Drilling

Purge Method: N/A

Boring Rig: Geoprobe

Sample Method: N/A

Driller/Helper: Brett Amsbacher

Sample Parameters: VOC and SVOC

Sampling Method: Grab

Sampler: S. Kelly

G.W. Encountered: 12'

Static Water:
Diameter: 2"

Boring - Depth: 16'

Diameter:

Casing - Length: N/A

Diameter:

Screen - Length: N/A

Screen Type: N/A

Bentonite: N/A

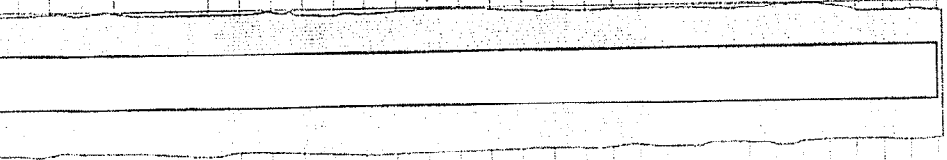
Sand Pack: N/A

Depth to PVC Rim: N/A

Soil/Geologic Description

Boring Diagram

Depth (ft.)	Sample ID and Depth	OVM (Meter Units)	Blows/12.0"	Recovery (feet)	Soil Type	Depth (ft.)
1					0-4" Asphalt	1
2						2
3						3
4						4
5						5
6					4-6' Construction debris/Fill Material/Dark brown sandy soil	6
7						7
8						8
9						9
10						10
11						11
12					6-12' Dark brown medium sand	12
13						13
14					14' Groundwater Encountered	14
15	S-5 0					15
16					12-16' Light brown reddish sand	16





LABORATORY ANALYTICAL SUMMARY REPORT

APPENDIX B

Lab Case No.: E09-00108

ND = Analyzed for but Not Detected at the MDL

Project: 1199 SUTTER AVE.
Lab Case No.: E09-00108

Lab ID:	00108-001	00108-002
Client ID:	S2 AQ	S3 AQ
Depth:	16	16
Matrix:	Aqueous	Aqueous
Sampled Date:	1/6/09	1/6/09
Conc Q MDL	Conc Q MDL	Conc Q MDL

PARAMETER(Units)	(ug/L-ppb)	(ug/L-ppb)
Semivolatiles - BNA (Units)	ND	0.204
2-Methylnaphthalene	ND	0.160
2,4,5-Trichlorophenol	ND	0.340
2-Nitroaniline	ND	0.190
Dimethyl phthalate	ND	0.230
2,6-Dinitrotoluene	ND	0.105
Acenaphthylene	ND	0.250
3-Nitroaniline	ND	0.179
Acenaphthylene	ND	0.370
2,4-Dinitrophenol	ND	0.190
4-Nitrophenol	ND	0.070
Dibenzofuran	0.152	0.120
Diethyl phthalate	ND	0.116
Fluorene	ND	0.240
Hexachlorobenzene	ND	0.100
Pentachlorophenol	0.246	0.105
Phenanthrene	ND	0.112
Anthracene	0.361	0.110
Di-n-butyl phthalate	ND	0.439
Fluoranthene	ND	0.227
Pyrene	ND	0.370
Butyl benzyl phthalate	ND	0.410
3,3'-Dichlorobenzidine	ND	0.170
Benz[a]anthracene	ND	0.362
Chrysene	ND	0.390
Bis(2-ethylhexyl) phthalate	ND	0.270
Di-n-octyl phthalate	ND	0.340
Benz[b]fluoranthene	ND	0.400
Benz[k]fluoranthene	ND	0.290
Benz[a]pyrene	ND	0.250
Indeno[1,2,3-cd]pyrene	ND	0.240
Dibenz[a,h]anthracene	ND	0.265
Benz[ghi]perylene	ND	0.265
TOTAL BNA'S:	0.759	1.52

ND = Analyzed for but Not Detected at the MDL

SUMMARY REPORT
Client: Atlantic Environmental Solutions, Inc.
Project: 1199 SUTTER AVE
Lab Case No.: E09-00197

Client ID:	Client:	51	52	53	54	55
Sample Depth:	Rec. Soil	1415	1415	1415	1415	1415
Lab ID:	Clean	00107-001	00107-002	00107-003	00107-005	00107-006
Date Sampled:	Objective	01/06/2009	01/06/2009	01/06/2009	01/06/2009	01/06/2009
Matrix:	(ppm)	Soil	Soil	Soil	Soil	Soil
Volatiles (ppm)						
Acetone	0.2	MDL	MDL	MDL	MDL	MDL
Carbon disulfide	0.2	MDL	MDL	MDL	MDL	MDL
Carbon tetrachloride	0.2	MDL	MDL	MDL	MDL	MDL
Chloroform	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,1-Trichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,1,2-Dichloroethane	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane (EDC)	0.2	MDL	MDL	MDL	MDL	MDL
Benzene	0.2	MDL	MDL	MDL	MDL	MDL
1,2-Dichloroethane	0.2	MDL	MDL			

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Fluorene	50.0	0.160	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Hexachlorobenzene	0.41	ND	0.070	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Pentachlorobenzene	1.0	ND	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Fluoranthene	50.0	1.51	0.075	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Anthracene	50.0	0.407	0.075	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Di-n-butyl phthalate	8.1	ND	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Fluoranthene	50.0	2.73	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Pyrene	50.0	2.47	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
3,3-Dichlorobenzidine	50.0	ND	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
(NA)	0.224	1.63	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Benzofluoranthene	0.4	1.85	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Chrysene	50.0	0.424	0.078	0.814	0.076	1.48	0.085	ND	0.082	0.089	0.423	0.075
Bis(2-ethylhexyl) phthalate	50.0	ND	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Di-n-octyl phthalate	1.1	1.09	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Benzofluoranthene	1.1	1.01	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Benzofluoranthene	0.061	1.19	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Benzo[a]pyrene	3.2	0.342	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Indeno[1,2,3-cd]pyrene	0.014	0.125	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Chenodecahydronaphthalene	50.0	0.247	0.078	ND	0.076	ND	0.085	ND	0.082	0.089	ND	0.075
Benzofluoranthene	NA	16.2	0.078	0.860	0.076	1.48	0.085	ND	0.082	0.089	0.423	0.075
TOTAL BNA'S:			J		J					J		

ND = Not Detected for that HAP Detected at the MCL
 J = The concentration was detected at a value below the MCL
 BNA's are not included in the total BNA's because they are not included in the BNA's list



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PHASE II SUBSURFACE INVESTIGATION

**1199-1221 SUTTER AVENUE
BROOKLYN, NEW YORK**

Prepared For:
AAA Sutter Realty, LLC
153-157 7th Street
Garden City, NY 11530

Report Date: May 19, 2009

Prepared By:
Associated Environmental Services, Ltd.
25 Central Avenue
Hauppauge, New York 11788

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FIGURES

Site Location Map	Figure 1.0
Site Diagram	Figure 2.0

APPENDICES

Geological Boring Logs	Appendix A
Laboratory Analytical Report and Chain of Custody	Appendix B
Photodocumentation	Appendix C



1.0 INTRODUCTION

Associated Environmental Services, Ltd. (AES) is pleased to submit this Phase II Subsurface Investigation Report. The field activities were conducted at the subject site on April 1, 2009. The following report summarizes the findings of the Phase II Subsurface Investigation activities.

1.1 Previous Environmental Assessments

A Phase II Environmental Site Assessment (ESA) report was prepared for the subject site by Atlantic Environmental Solutions, Inc. Based upon the findings of the Phase I ESA there was a Recognized Environmental Condition (REC), which required further assessment. The REC is summarized as follows.

The findings of the report indicated a history of dry cleaning operations at the subject site. It was recommended that a Phase II Subsurface Investigation be conducted at the site to determine if there has been any impact to the soil and/or groundwater resulting from the dry cleaning operations.

The results of the Phase II ESA conducted by Atlantic Environmental Solutions, Inc. indicated that the soil and groundwater has been impacted in the borings located in the rear of the former dry cleaners.

1.2 Scope of Work

The scope of work entailed the installation of eight (8) soil and groundwater borings. The scope of work was developed in order to address the REC as noted in the Phase I ESA report. The methodology and equipment employed during the investigative activities are described in depth in Section 3.0.



2.0 SITE DESCRIPTION

2.1 Site Location

The subject property is known as 1199-1221 Sutter Avenue, Brooklyn, New York. The site is located on the North side of Sutter Avenue. The site is located in a residential/commercial area of Brooklyn. The subject site is shown on Figure 1.0 – Site Location Map.

2.2 Site Improvements

The subject property contains one (1) one (1) story building divided into five (5) separate units utilized for commercial/office purposes. The building is constructed with a concrete slab floor and exterior brick/concrete block walls. The subject site and the relevant features are depicted on Figure 2.0 - Site Diagram. The subject site was noted to be in good condition.

2.3 Hydrogeologic Setting

During the investigation, representative soil samples were collected from a depth of zero (0) to fifteen (15) feet below ground surface in the sidewalk and parking areas surrounding the laundromat unit. In addition, representative soil samples were also collected from a depth of zero (0) to five (5) feet from beneath the basement floor of the laundromat. The subsurface lithology consisted of brown to dark brown medium to fine grained sand. The subsurface lithology is summarized in Appendix A – Geological Boring Logs.

Groundwater was encountered at a depth of approximately fourteen (14) feet below grade during the investigation. Groundwater beneath the site is characterized as Class “GA” groundwater. The best usage for Class “GA” groundwater is as a source of potable (drinking) water. Groundwater is not utilized as a source of potable water at the subject site.



3.0 PHASE II SUBSURFACE INVESTIGATION ACTIVITIES

The Phase II Subsurface Investigation activities were conducted at the subject site on April 1, 2009. The following sections summarize the field activities, the field data collected, laboratory analytical data, as well as any other pertinent information obtained.

3.1 Soil Characterization

A Geoprobe® 6610DT series drill rig and Geoprobe® hand equipment were utilized to install eight (8) borings (designated as B-1 through B-8). Borings B-1 through B-6 were performed in the sidewalk and parking areas surrounding the laundromat unit (former Dry Cleaners). Borings B-7 and B-8 were conducted beneath the basement floor of the laundromat. The boring locations are depicted on Figure 2.0 – Site Diagram. Representative soil samples were collected from a depth of zero (0) to fifteen (15) feet below surface grade. Groundwater was encountered at approximately fourteen (14) feet below surface grade during the investigation. The collected soil samples were inspected for visual and/or olfactory evidence of contamination. There was a dark layer encountered in several of the boring locations. In addition, the soil samples were field screened with a photo-ionization detector (PID) for the presence of volatile organic compounds (VOCs). PID readings ranged from above background concentrations of 0.0 parts per million (ppm) to 420 ppm. The lithology encountered and the field data are summarized in Appendix A – Geological Boring Logs.

The layer of dark soil was also encountered in the basement at the groundwater interface. Therefore, in order to characterize the nature of the subsurface soil at the site, it was determined that the soil samples collected from zero (0) to five (5) feet below the basement floor in borings B-7 and B-8 would be submitted for laboratory analysis. The soil samples were immediately stored in laboratory-approved glassware and packed on ice. The soil samples were submitted to a New York State Department of Health (NYSDOH) certified laboratory for analysis. The laboratory chosen for this investigation was American Analytical Laboratories, LLC., which is located in Farmingdale, New York. The NYSDOH Environmental Laboratory Approval Program (ELAP) certification number for the laboratory is 11418.

The soil samples were submitted for analysis of volatile organic compounds (VOCs) utilizing EPA Method 8260. The analytical results for the soil samples were compared to the Recommended Soil Cleanup Objectives (RSCOs) listed in the New York State Department of Environmental Conservation (NYSDEC) Division Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.

The analytical results for the soil samples obtained from borings B-7 and B-8 indicated that there were elevated levels of Tetrachloroethene (VOC) above the NYSDEC Recommended Soil Cleanup Objectives (RSCOs). Boring B-7 contained 5100ppb of Tetrachloroethene, over the RSCO of 1400ppb for the contaminant. Boring B-8 contained 1200ppb of Tetrachloroethene, which is slightly below the RSCO. The analytical results are summarized in Table 1. Complete analytical reports and chain of custody are included with this report as Appendix B.



TABLE 1 Volatile Organic Compounds (VOCs) EPA Method 8260			
ANALYTICAL PARAMETERS	NYSDEC RSCOs	B-1	B-2
1,1,1,2-Tetrachloroethane	NL	U	U
1,1,1-Trichloroethane	800	U	U
1,1,2,2-Tetrachloroethane	600	U	U
1,1,2-Trichloro-1,2,2-trifluoroethane	6000	U	U
1,1,2-Trichloroethane	NL	U	U
1,1-Dichloroethane	200	U	U
1,1-Dichloroethene	400	U	U
1,1-Dichloropropene	NL	U	U
1,2,3-Trichlorobenzene	NL	U	U
1,2,3-Trichloropropane	400	U	U
1,2,4,5-Tetramethylbenzene	NL	U	U
1,2,4-Trichlorobenzene	3400	U	U
1,2,4-Trimethylbenzene	NL	U	U
1,2-Dibromo-3-chloropropane	NL	U	U
1,2-Dibromoethane	NL	U	U
1,2-Dichlorobenzene	7900	U	U
1,2-Dichloroethane	100	U	U
1,2-Dichloropropane	NL	U	U
1,3,5-Trimethylbenzene	NL	U	U
1,3-Dichlorobenzene	1600	U	U
1,3-Dichloropropane	300	U	U
1,4-Dichlorobenzene	8500	U	U
1,4-Dioxane	NL	U	U
2,2-Dichloropropane	NL	U	U
2-Butanone	300	U	U
2-Chloroethyl vinyl ether	NL	U	U
2-Chlorotoluene	NL	U	U
2-Hexanone	NL	U	U
2-Propanol	NL	U	U
4-Chlorotoluene	NL	U	U
4-Isopropyltoluene	NL	U	U
4-Methyl-2-pentanone	1000	U	U
Acetone	200	U	U
Acrolein	NL	U	U
Acrylonitrile	NL	U	U
Benzene	60	U	U
Bromobenzene	NL	U	U
Bromochloromethane	NL	U	U
Bromodichloromethane	NL	U	U
Bromoform	NL	U	U
Bromomethane	NL	U	U
Carbon disulfide	2700	U	U
Carbon tetrachloride	600	U	U
Chlorobenzene	1700	U	U
Chlorodifluoromethane	NL	U	U
Chloroethane	1900	U	U



TABLE 1 Volatile Organic Compounds (VOCs) EPA Method 8260			
ANALYTICAL PARAMETERS	NYSDEC RSCOs	B-1	B-2
Chloroform	300	U	U
Chloromethane	NL	U	U
cis-1,2-Dichloroethene	NL	43	U
cis-1,3-Dichloropropene	NL	U	U
Dibromochloromethane	NL	U	U
Dibromomethane	NL	U	U
Dichlorodifluoromethane	NL	U	U
Diisopropyl ether	NL	U	U
Ethanol	NL	U	U
Ethyl acetate	NL	U	U
Ethylbenzene	5500	U	U
Freon-114	NL	U	U
Hexachlorobutadiene	NL	U	U
Isopropyl acetate	NL	U	U
Isopropylbenzene	NL	U	U
m,p-Xylene	NL	U	U
Methyl tert-butyl ether (MTBE)	NL	U	U
Methylene chloride	100	14	16
n-Amyl acetate	NL	U	U
Naphthalene	NL	U	U
n-Butyl acetate	NL	U	U
n-Butylbenzene	NL	U	U
n-Propyl acetate	NL	U	U
n-Propylbenzene	NL	U	U
o-Xylene	NL	U	U
p-Diethylbenzene	NL	U	U
p-Ethyltoluene	NL	U	U
sec-Butylbenzene	NL	U	U
Styrene	NL	U	U
t-Butyl alcohol	NL	U	U
tert-Butylbenzene	NL	U	U
Tetrachloroethene	1400	5100	1200
Toluene	1500	U	U
trans-1,2-Dichloroethene	300	U	U
trans-1,3-Dichloropropene	NL	U	U
Trichloroethene	700	73	10
Trichlorofluoromethane	NL	U	U
Vinyl acetate	NL	U	U
Vinyl chloride	200	U	U

Notes:

1. Results are in ug/Kg (parts per billion – ppb).
2. The Recommended Soil Cleanup Objectives (RSCOs) are listed in the New York State Department of Environmental Conservation (NYSDEC) Division Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.
3. Total VOCs not to exceed 10,000 ppb.
4. NL = No Cleanup Objective listed.



3.2 Groundwater Characterization

The depth to groundwater at the site was determined to be approximately fourteen (14) feet below ground surface. Representative groundwater samples were collected from borings B-1 through B-8. The groundwater samples were collected utilizing the Geoprobe® Screen Point 15 system. The Geoprobe® screen point system utilizes disposable single-use tubing so as to preserve sample integrity and reduces the risk of cross contamination.

The groundwater samples were immediately stored in laboratory-approved glassware and packed on ice. The sample selection was based upon the regional groundwater flow direction. The samples were submitted to a New York State Department of Health (NYSDOH) certified laboratory for analysis. The laboratory chosen for this investigation was American Analytical Laboratories, LLC., which is located in Farmingdale, New York. The NYSDOH Environmental Laboratory Approval Program (ELAP) certification number for the laboratory is 11418.

The groundwater samples were submitted for analysis of volatile organic compounds (VOCs) utilizing EPA Method 8260. The analytical results for the groundwater samples were compared to the Guidance Values / Standards listed in the New York State Department of Environmental Conservation (NYS DEC) "Technical and Operational Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998".

The analytical results for the groundwater samples collected from the subject site borings indicated the presence of several volatile organic compounds (VOCs) in excess of the maximum allowable concentrations set forth by the NYS DEC. Elevated levels of Tetrachloroethene (PCE) were found in borings B-4 through B-8. In addition Methylene Chloride was present in all eight (8) groundwater borings and is considered a typical laboratory contaminate, elevated levels of Trichloroethene were detected in borings B-6 through B-8, and borings B-5 and B-7 indicated elevated levels of cis-1,2-Dichloroethene above the NYSDEC Groundwater standards. The analytical results are summarized in Table 2. A copy of the laboratory analytical report and chain of custody are included with this report as Appendix B.



TABLE 2
Groundwater Analytical Data
EPA Method 8260 - Volatile Organic Compounds (VOCs)

ANALYTICAL PARAMETERS	NYSDEC Guidance Values	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8
Dichlorodifluoromethane	5	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U
Vinyl Chloride	NL	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U
Chloroethane	5	U	U	U	U	U	U	U	U
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U
1,1-Dichloroethene	4	U	U	U	U	U	U	U	U
Methylene Chloride	10	12	11	9.6	12	16	24	11	11
Trans-1,2-dichloroethene	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U
2,2-Dichloropropane	5	U	U	U	U	U	U	U	U
Cis-1,2-dichloroethene	5	U	U	U	U	6.8	4.6	81	U
Bromochloromethane	5	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U
1,1,1-trichloroethane	5	U	U	U	U	U	U	U	U
Carbon Tetrachloride	5	U	U	U	U	U	U	U	U
1,1-Dichloropropene	5	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	U	U	U	U	U	U	U	U
Trichloroethene	5	U	U	U	1.6	2.7	14	42	11
1,2-Dichloropropane	1	U	U	U	U	U	U	U	U
Dibromomethane	5	U	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U
Cis-1,3-dichloropropene	0.4	U	U	U	U	U	U	U	U



TABLE 2
Groundwater Analytical Data
EPA Method 8260 - Volatile Organic Compounds (VOCs)

ANALYTICAL PARAMETERS	NYSDEC Guidance Values	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8
Toluene	5	U	U	U	U	U	U	U	U
Trans-1,3-dichloropropene	0.4	U	U	U	U	U	U	U	U
1,1,2-trichloroethane	1	U	U	U	U	U	U	U	U
Tetrachloroethylene	5	U	U	2.2	38	93	380	610	510
1,3-dichloropropane	5	U	U	U	U	U	U	U	U
Dibromochloromethane	5	U	U	U	U	U	U	U	U
1,2-dibromoethane	NL	U	U	U	U	U	U	U	U
Chlorobenzene	5	U	U	U	U	U	U	U	U
1,1,1,2-tetrachloroethane	5	U	U	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U
Styrene	5	U	U	U	U	U	U	U	U
Bromoform	50	U	U	U	U	U	U	U	U
Isopropylbenzene	5	U	U	U	U	U	U	U	U
Bromobenzene	5	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	5	U	U	U	U	U	U	U	U
1,2,3-trichloropropane	0.04	U	U	U	U	U	U	U	U
n-propylbenzene	5	U	U	U	U	U	U	U	U
2-chlorotoluene	5	U	U	U	U	U	U	U	U
4-chlorotoluene	5	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5	U	U	U	U	U	U	U	U
Tert-butylbenzene	5	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5	U	U	U	U	U	U	U	U
Sec-butylbenzene	5	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	U	U	U	U	U	U	U	U



TABLE 2
Groundwater Analytical Data
EPA Method 8260 - Volatile Organic Compounds (VOCs)

ANALYTICAL PARAMETERS	NYSDEC Guidance Values	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8
p-isopropyltoluene	NL	U	U	U	U	U	U	U	U
1,4,-dichlorobenzene	3	U	U	U	U	U	U	U	U
1,2,-dichlorobenzene	3	U	U	U	U	U	U	U	U
n-butylbenzene	5	U	U	U	U	U	U	U	U
1,2,-dibromo-3-chloropropane	5	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5	U	U	U	U	U	U	U	U
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	U	U	U	U	U	U	U	U
2-chloroethylvinyl ether	NL	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U	U
Methyl ethyl ketone	50	U	U	U	U	U	U	U	U
Methyl isobutyl ketone	NL	U	U	U	U	U	U	U	U
p & m -Xylenes	5	U	U	U	U	U	U	U	U
o-Xylenes	5	U	U	U	U	U	U	U	U
Carbon disulfide	NL	U	U	U	U	U	U	U	U
MTBE	10	U	U	U	U	U	U	U	U
Vinyl acetate	NL	U	U	U	U	U	U	U	U
2-hexanone	NL	U	U	U	U	U	U	U	U

- Notes: 1. All results are in parts per billion (ppb) - ug/L.
2. The Groundwater Standards and Guidance Values are listed in the New York State Department of Environmental Conservation (NYS DEC) TOGS 1.1.1.
3. NL = No guidance value listed.



4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

Geoprobe® 6610DT series drill rig and hand equipment was utilized to install eight (8) total borings designated as B-1 through B-8. Representative soil samples were collected from a depth of zero (0) to fifteen (15) feet below grade. Groundwater was encountered at approximately fourteen (14) feet below grade during the investigation.

The soil samples collected from zero (0) to five (5) feet below the basement floor in borings B-7 and B-8 were submitted for laboratory analysis. The soil samples were submitted for analysis of volatile organic compounds (VOCs) using EPA Method 8260. The analytical results for the soil samples were compared to the RSCOs listed in the NYSDEC TAGM HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.

Boring B-7 contained 5100ppb of Tetrachloroethene, over the RSCO of 1400ppb for the contaminant. Boring B-8 contained 1200ppb of Tetrachloroethene, which is slightly below the RSCO.

Representative groundwater samples were collected from all eight (8) borings and are designated on the analytical report as B-1 through B-8. The groundwater samples were submitted for analysis of volatile organic compounds (VOCs) utilizing EPA Method 8260. The analytical results for the groundwater samples were compared to the Guidance Values / Standards listed in the NYSDEC "Technical and Operational Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998".

The analytical results for the groundwater samples collected from the subject site borings indicated the presence of several volatile organic compounds (VOCs) in excess of the maximum allowable concentrations set forth by the NYS DEC. Elevated levels of Tetrachloroethene (PCE) were found in borings B-4 through B-8. In addition Methylene Chloride was present in all eight (8) groundwater borings and is considered a typical laboratory contaminate, elevated levels of Trichloroethene were detected in borings B-6 through B-8, and borings B-5 and B-7 indicated elevated levels of cis-1,2-Dichloroethene above the NYSDEC Groundwater standards. The analytical results are summarized in Table 2.



4.2 Recommendations

Based on the findings of the Phase II Subsurface Investigation, it is recommended that an injection program utilizing Potassium Permanganate through a network of injection points should be implemented immediately. In addition shallow and deep monitoring wells should be installed in several strategic locations to monitor the effectiveness of the remedial injection event.

Once the work plan is completed and prior to remedial field activities, the NYSDEC should be notified and involved in the remediation process for closure.

Prepared By:

Ryan Jensen
Environmental Technician
Associated Environmental Services, Ltd.

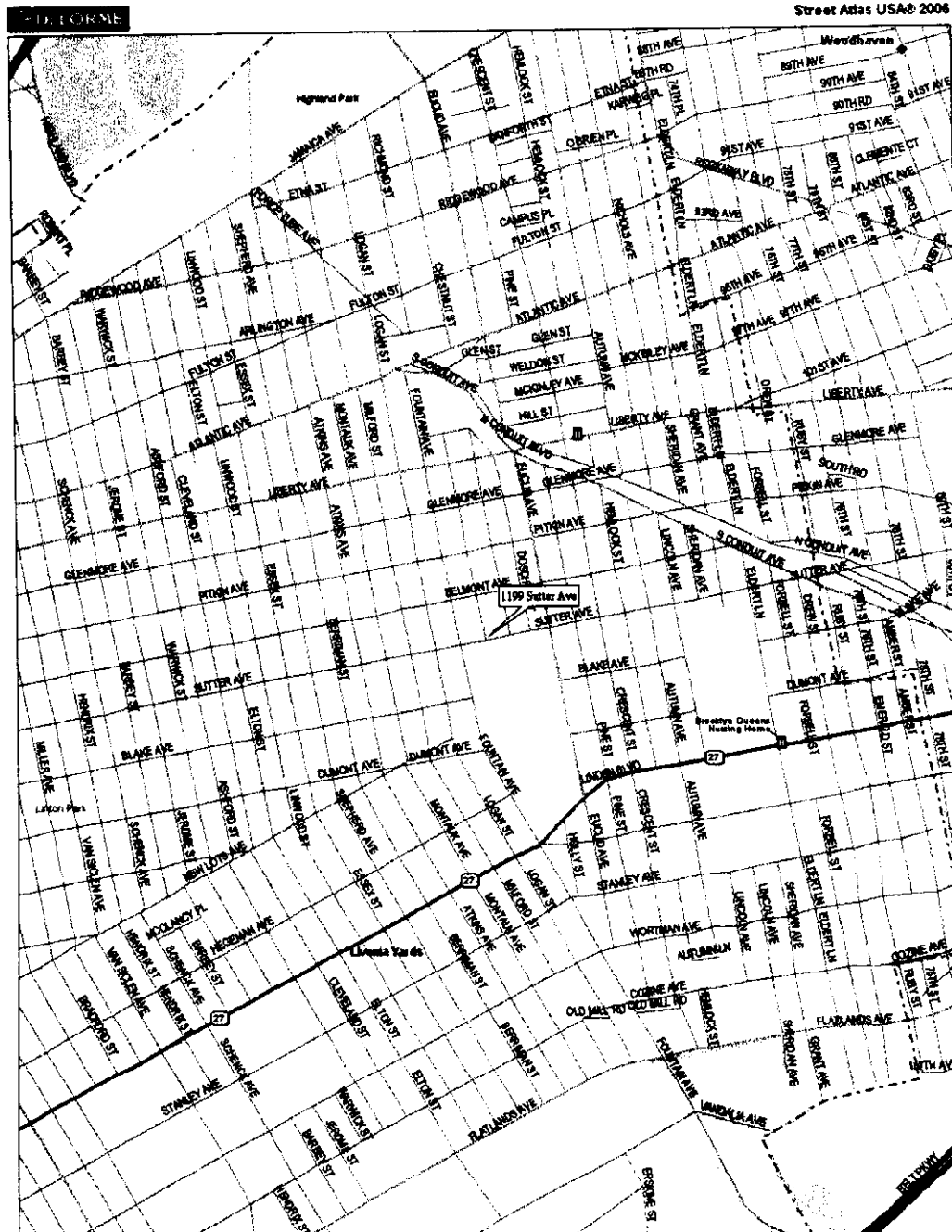
John Schretzmayer
Project Manager / Hydrogeologist
Associated Environmental Services, Ltd.



SITE LOCATION MAP

1199 SUTTER AVENUE

BROOKLYN, NEW YORK 11208



Data use subject to license.
 © 2005 DeLorme Street Atlas USA © 2006.
www.delorme.com

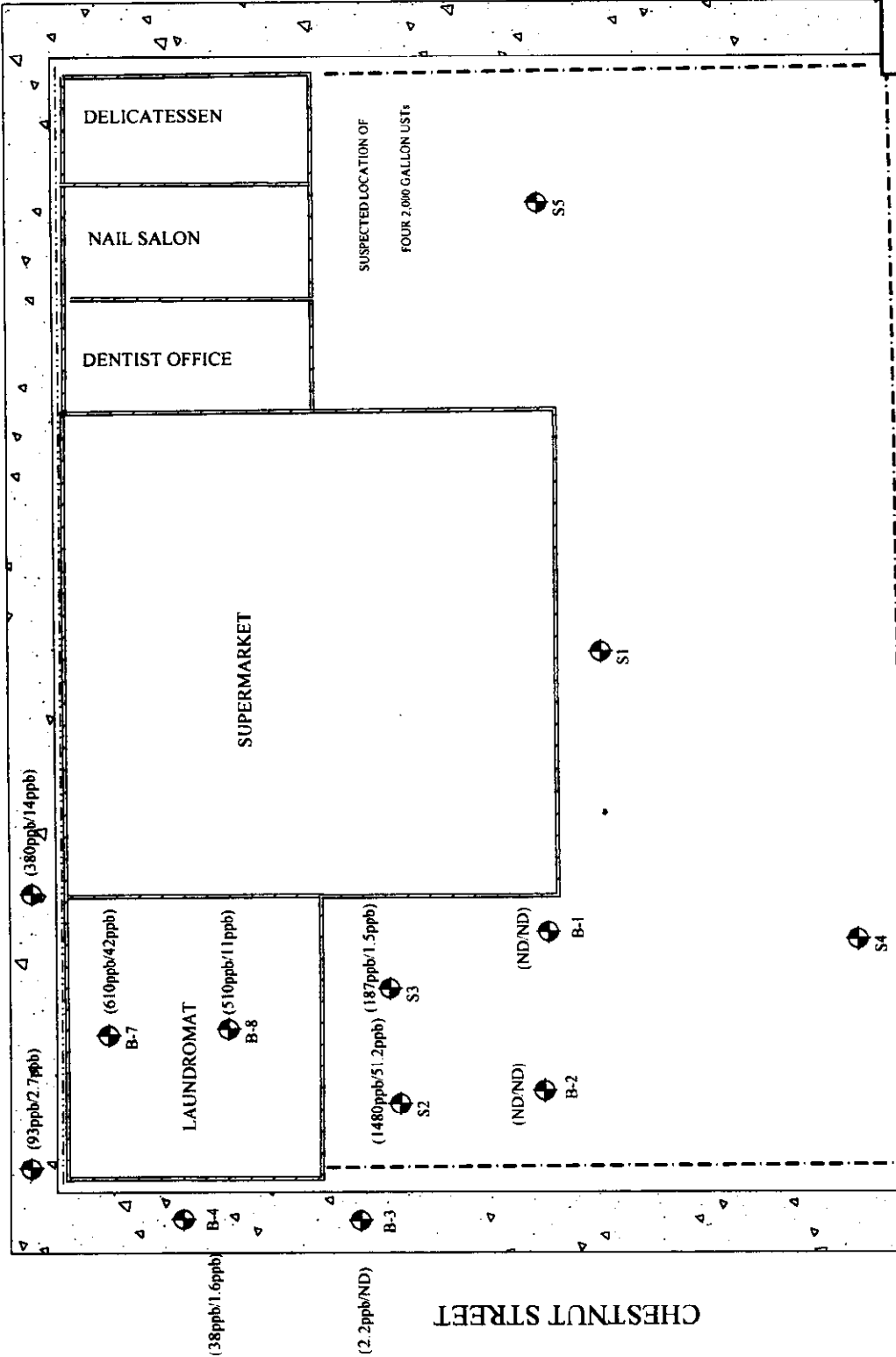
★
 MN (13 1° W)

0 400 800 1200 1600 2000 2400
 Data Zoom 13-6



SUTTER AVENUE

B-5 (93ppb/2.7ppb) B-6 (380ppb/14ppb)



LEGEND

POTENTIAL DRINKING LOCATION

POTENTIAL LOCATION

POTENTIAL GROUNDWATER CONCENTRATIONS (510ppb/11ppb)

FENCE

FIGURE 2.0 - SITE DIAGRAM

SITE LOCATION: 1199 SUTTER AVENUE
BROOKLYN, NEW YORK

DATE: APRIL 15, 2009

SCALE: 1" = 30'



ASSOCIATED ENVIRONMENTAL
SERVICES, Ltd.

25 CENTRAL AVENUE
HAUPPAUGE, NEW YORK 11788

Geologic Boring Log Details

Associated Environmental Services, Ltd

25 Central Avenue, Hauppauge NY 11788

B-1 Boring Log

		Depth to Water (ft. from grade.)		Site Elevation Datum	
		Date	DTW	Ground Elevation	
Site Name: Sutter Super Laundry		Address: 1199 Sutter Ave. Brooklyn NY 11208		Measuring Point Elevation	
Drilling Company: Associated Env		Method: Geoprobe 6610DT			
Date Started: 4/1/2009		Date Completed: 4/1/2009			
Completion Depth: 15.0 ft		AES Geologist: Andrew Silver			

(NTS)	DEPTH (ft below grade)	SAMPLES			PID ppm	SOIL DESCRIPTION
		Reco- very	Blow per 6 in.			
0	0					
5	5	50%			0	Brown medium grained sand with some pebbles. No odor or staining noted.
10	10	60%			0	Light brown medium to fine grained sand. No odor or staining noted.
15	15	80%			0	Brown medium grained sand. No odor or staining noted. Groundwater at 13 feet below grade.*
* Groundwater sample collected for lab analysis (EPA Method 8260).						

LEGEND:

- ☐ Natural Backfill
- ☒ End Boring
- ☐ Cement
- ☐ Silica
- ☐ Screen
- ☒ End Cap



**Associated
Environmental
Services, Ltd.**

NTS - Not to Scale

DTW - Depth to Water

Geologic Boring Log Details

Associated Environmental Services, Ltd

25 Central Avenue, Hauppauge NY 11788

B-2 Boring Log

		Depth to Water (ft. from grade.)		Site Elevation Datum
		Date	DTW	Ground Elevation
Site Name: Sutter Super Laundry	Address: 1199 Sutter Ave. Brooklyn NY 11208	4/1/2009	13	
Drilling Company: Associated Env	Method: Geoprobe 6610DT			Measuring Point Elevation
Date Started: 4/1/2009	Date Completed: 4/1/2009			
Completion Depth: 15.0 ft	AES Geologist: Andrew Silver			

(NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very	Blow per 6 in.	PID ppm	
	0				
	5	50%		0	Brown medium grained sand with some pebbles. No odor or staining noted.
	10	50%		0	Brown medium grained sand with some pebbles. No odor or staining noted.
	15	80%		0	Brown medium grained sand with some pebbles. No odor or staining noted.
					Groundwater at 13 feet below grade.*
					* Groundwater sample collected for lab analysis (EPA Method 8260).
LEGEND: <div style="display: flex; flex-direction: column; gap: 5px;"> <div> Natural Backfill</div> <div> End Boring</div> <div> Cement</div> <div> Silica</div> <div> Screen</div> <div> End Cap</div> </div>					

NTS - Not to Scale



**Associated
Environmental
Services, Ltd.**

DTW - Depth to Water

Geologic Boring Log Details

Associated Environmental Services, Ltd

25 Central Avenue, Hauppauge NY 11788

B-3 Boring Log

		Depth to Water (ft. from grade.)		Site Elevation Datum
		Date	DTW	Ground Elevation
Site Name:	Address:	4/1/2009	14	
Sutter Super Laundry	1199 Sutter Ave. Brooklyn NY 11208			
Drilling Company:	Method:			Measuring Point Elevation
Associated Env	Geoprobe 6610DT			
Date Started:	Date Completed:			
4/1/2009	4/1/2009			
Completion Depth:	AES Geologist:			
15.0 ft	Andrew Silver			

(NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very	Blow per 6 in.	PID ppm	
	0				
	5	100%		0	Brown medium grained sand and debris. No odor or staining noted.
	10	60%		0	Brown medium to fine grained sand. No odor or staining noted.
	15	70%		0	Brown to dark brown medium to fine grained sand with a trace of silt. 3 inch layer of black soil at 14 feet below grade. No odor or staining noted.
					Groundwater at 14 feet below grade.*
					* Groundwater sample collected for lab analysis (EPA Method 8260).
LEGEND: <div style="display: flex; flex-direction: column; gap: 5px;"> <div> Natural Backfill</div> <div> End Boring</div> <div> Cement</div> <div> Silica</div> <div> Screen</div> <div> End Cap</div> </div>					

NTS - Not to Scale



**Associated
Environmental
Services, Ltd.**

DTW - Depth to Water








Geologic Boring Log Details

Associated Environmental Services, Ltd

25 Central Avenue, Hauppauge NY 11788

B-4 Boring Log

		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name:		Date		Ground Elevation
Address:		DTW		
Sutter Super Laundry	1199 Sutter Ave. Brooklyn NY 11208	4/1/2009	14	Measuring Point Elevation
Drilling Company:				
Associated Env	Geoprobe 6610DT			
Date Started:		Date Completed:		
4/1/2009	4/1/2009			
Completion Depth:		AES Geologist:		
15.0 ft	Andrew Silver			

(NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very	Blow per 6 in.	PID ppm	
	0				
	5	100%		0	Brown medium to fine grained sand and pebbles. No odor or staining noted.
	10	50%		0	Brown medium to fine grained sand. No odor or staining noted.
	15	80%		12	Brown to black medium to fine grained sand. 3 inch layer of black soil at 14 feet below grade. No odor or staining noted. Groundwater at 14 feet below grade.*
* Groundwater sample collected for lab analysis (EPA Method 8260).					
LEGEND:  Natural Backfill  End Boring  Cement  Silica  Screen  End Cap					

NTS - Not to Scale



**Associated
Environmental
Services, Ltd.**

DTW - Depth to Water








Geologic Boring Log Details

Associated Environmental Services, Ltd

25 Central Avenue, Hauppauge NY 11788

B-5 Boring Log

		Depth to Water (ft. from grade.)		Site Elevation Datum
		Date	DTW	Ground Elevation
Site Name: Sutter Super Laundry	Address: 1199 Sutter Ave. Brooklyn NY 11208	4/1/2009	14	
Drilling Company: Associated Env	Method: Geoprobe 6610DT			Measuring Point Elevation
Date Started: 4/1/2009	Date Completed: 4/1/2009			
Completion Depth: 15.0 ft	AES Geologist: Andrew Silver			

(NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very	Blow per 6 in.	PID ppm	
	0				
	5	100%		0	Brown medium to fine grained sand and debris. No odor or staining noted.
	10	50%		26	Brown medium to fine grained sand and debris. No odor or staining noted.
	15	0%		65	No recovery due to groundwater. Groundwater at 14 feet below grade.*
* Groundwater sample collected for lab analysis (EPA Method 8260).					
LEGEND:  Natural Backfill  End Boring  Cement  Silica  Screen  End Cap					

NTS - Not to Scale



**Associated
Environmental
Services, Ltd.**

DTW - Depth to Water

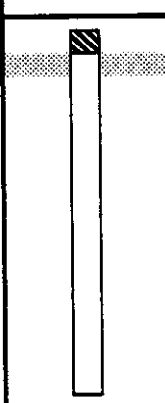
Geologic Boring Log Details

Associated Environmental Services, Ltd

25 Central Avenue, Hauppauge NY 11788

B-6 Boring Log

		Depth to Water (ft. from grade.)		Site Elevation Datum
		Date	DTW	Ground Elevation
Site Name:	Address:	4/1/2009	13	
Sutter Super Laundry	1199 Sutter Ave. Brooklyn NY 11208			
Drilling Company:	Method:			Measuring Point Elevation
Associated Env	Geoprobe 6610DT			
Date Started:	Date Completed:			
4/1/2009	4/1/2009			
Completion Depth:	AES Geologist:			
15.0 ft	Andrew Silver			

(NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very	Blow per 6 in.	PID ppm	
	0				
	5	100%		0	Brown medium to fine grained sand and debris. No odor or staining noted.
	10	30%		55	Brown fine to medium grained sand with some pebbles. No odor or staining noted.
	15	60%		120	Brown fine to medium grained sand with some pebbles. No odor or staining noted.
					Groundwater at 13 feet below grade.*
					* Groundwater sample collected for lab analysis (EPA Method 8260).
LEGEND: <input type="checkbox"/> Natural Backfill <input checked="" type="checkbox"/> End Boring <input checked="" type="checkbox"/> Cement <input type="checkbox"/> Silica <input type="checkbox"/> Screen <input checked="" type="checkbox"/> End Cap					

NTS - Not to Scale



**Associated
Environmental
Services, Ltd.**

DTW - Depth to Water


Geologic Boring Log Details

Associated Environmental Services, Ltd

25 Central Avenue, Hauppauge NY 11788

B-7 Boring Log

		Depth to Water (ft. from grade.)		Site Elevation Datum
		Date	DTW	Ground Elevation
Site Name: Sutter Super Laundry		Address: 1199 Sutter Ave. Brooklyn NY 11208		Measuring Point Elevation
Drilling Company: Associated Env		Method: Hand Equipment		
Date Started: 4/1/2009		Date Completed: 4/1/2009		
Completion Depth: 5.0 ft		AES Geologist: Andrew Silver		

(NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery	Blow per 6 in.	PID ppm	
	0				<p>Dark brown to black medium to fine grained sand with a trace of silt. No odor or staining noted.</p> <p>Groundwater at 5 feet below basement floor.*</p> <p>* Groundwater and soil samples collected for lab analysis (EPA 8260).</p>
	5	100%		450	

LEGEND:

Natural Backfill

End Boring

Cement

Silica

Screen

End Cap

NTS - Not to Scale

DTW - Depth to Water

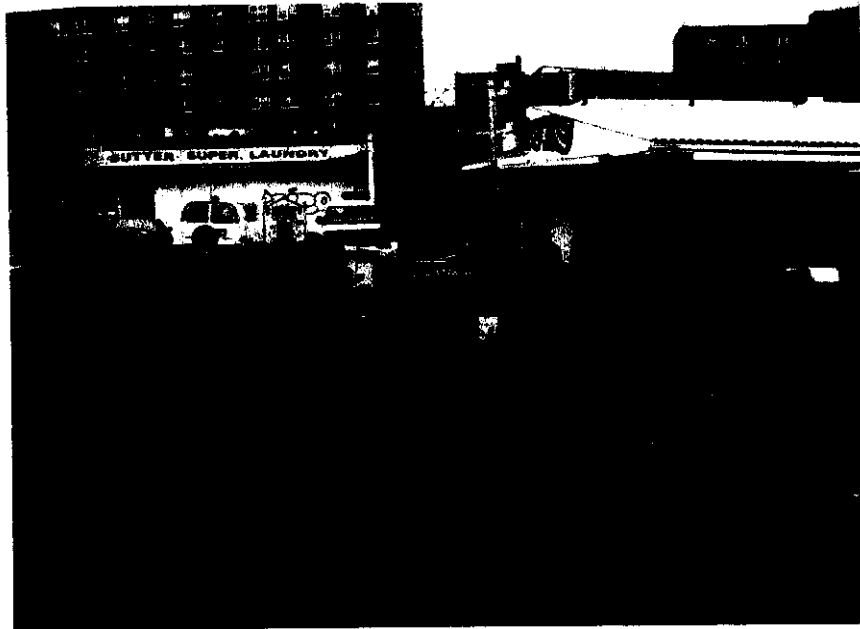


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Services, Ltd.

B-8 Boring Log

DTW - Depth to Water

PHOTO DOCUMENTATION
1199 SUTTER AVENUE, BROOKLYN, NY



1. Location of B-1 'eastern parking lot'



2. Location of B-2 'eastern parking lot'



**Associated
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Services, Ltd.**

PHOTO DOCUMENTATION
1199 SUTTER AVENUE, BROOKLYN, NY



3. Location of B-3 'eastern sidewalk'



4. Location of B-3 'eastern sidewalk'



**Associated
Environmental
Services, Ltd.**

PHOTO DOCUMENTATION
1199 SUTTER AVENUE, BROOKLYN, NY



5. Location of B-4 'eastern sidewalk'



**Associated
Environmental
Services, Ltd.**

Date: 06-Apr-09

ELAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD.
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-03A

Client Sample ID: B-3 (GW)
Collection Date: 4/1/2009 9:30:00 AM
Matrix: LIQUID

Certificate of Results

Analysis	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE BW-648 METHOD 8280			BW5260B			Analyst: LA	
n-Butyl acetate	U	0.3	2.0		µg/L	1	4/22/2008 3:22:00 PM
n-Butylbenzene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
n-Propyl acetate	U	0.4	1.0		µg/L	1	4/22/2008 3:22:00 PM
n-Propylbenzene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
n-Xylene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
p-Dichlorobenzene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
p-Ethyltoluene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
sec-Butylbenzene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
Styrene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
t-Butyl alcohol	U	0.4	1.0		µg/L	1	4/22/2008 3:22:00 PM
tert-Butylbenzene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
Tetrachloroethane	2.2	0.5	1.0		µg/L	1	4/22/2008 3:22:00 PM
Toluene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
trans-1,2-Dichloroethane	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
trans-1,2-Dichloropropene	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
Trichloroethane	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
Trichlorofluoromethane	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
Vinyl acetate	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
Vinyl chloride	U	0.3	1.0		µg/L	1	4/22/2008 3:22:00 PM
Sum: 4-Bromofluorobenzene	118	0	85-137		%REC	1	4/22/2008 3:22:00 PM
Sum: Dibromofluoromethane	111	0	85-137		%REC	1	4/22/2008 3:22:00 PM
Sum: Toluene est	99.9	0	85-138		%REC	1	4/22/2008 3:22:00 PM

American Analytical Laboratories, LLC, 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548227 www.American-Analytical.com

Qualifiers:	<p>A Value exceeds Maximum Concentration Level</p> <p>E Value above quantitation range</p> <p>F Analyser detected below quantitation limits</p> <p>LOQ Limit of Quantitation</p> <p>S Spikes Recovery outside acceptable recovery limits</p> <p>C Calibration NA/SD/MD exceeded for one-CCC analysis</p>	<p>D Analyser detected in the associated Method Blank</p> <p>H Holding times for preparation or analysis exceeded</p> <p>LOD Limit of Detection</p> <p>MD Not Detected at the Reporting Limit</p> <p>U Indicates the compound was analyzed but not detected.</p>
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American Analytical Laboratories, LLC.

Date: 06-Apr-05

ELAP ID : 11418

CLIENT: Associated Environmental Svcs., LTD.
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-04A

Client Sample ID: B-4 (GW)
Collection Date: 4/1/2009 10:00:00 AM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-646 METHOD 6260			SW92005				Analyst: LA
Acetoin	U	0.4	1.0		µg/L	1	4/3/2009 11:47:00 AM
Azoxynitrile	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Benzene	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Bromobenzene	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Bromochloromethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Bromochloromethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Bromotoluene	U	0.4	1.0		µg/L	1	4/3/2009 11:47:00 AM
Bromomethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Carbon disulfide	U	0.3	1.0	C	µg/L	1	4/3/2009 11:47:00 AM
Carbon tetrachloride	U	0.4	1.0		µg/L	1	4/3/2009 11:47:00 AM
Chlorobenzene	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Chlorodifluoromethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Chloroethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Chloroform	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Chloromethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
cis-1,2 Dichloroethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
cis-1,3 Dichloropropene	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Chloromethanol	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Dibromomethane	U	0.4	1.0		µg/L	1	4/3/2009 11:47:00 AM
Dichlorodifluoromethane	U	0.4	1.0		µg/L	1	4/3/2009 11:47:00 AM
Dichloroethyl ether	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Ethanol	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Ethyl acetate	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Ethylbenzene	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Freon-114	U	0.4	1.0		µg/L	1	4/3/2009 11:47:00 AM
Hexachlorocyclopentadiene	U	0.4	1.0		µg/L	1	4/3/2009 11:47:00 AM
Isopropyl acetate	U	0.4	1.0	C	µg/L	1	4/3/2009 11:47:00 AM
Isopropylbenzene	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
m,p-Xylene	U	0.3	2.0		µg/L	1	4/3/2009 11:47:00 AM
Methyl tert-butyl ether	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Methylene chloride	12	0.3	1.0	BC	µg/L	1	4/3/2009 11:47:00 AM
n-Propyl acetate	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM
Nitroethane	U	0.3	1.0		µg/L	1	4/3/2009 11:47:00 AM

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Qualifier	A Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding time for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOQ Limit of Detection
LOQ	Limit of Quantitation	ND Not Detected at the Reporting Limit
S	Spills Recovery outside accepted recovery limits	CC Indicates the compound was analyzed but not detected
C	Calibration NIST/MSD exceeded for non-CC analytes	

American Analytical Laboratories, LLC.

Date: 06-Apr-09

ELAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD
Lab Order: 0904030
Project: Sutler Avenue, Brooklyn, NY
Lab ID: 0904030-04A

Client Sample ID: B-4 (GW)
Collection Date: 4/1/2009 10:00:00 AM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SWE2908			Analyst: LA	
1,1,1,2-Tetrachloroethane	U	0.4	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,1,1-Trichloroethane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,1,2,2-Tetrachloroethane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.3	1.0	C	µg/L	1	4/3/2008 11:47:00 AM
1,1,2-Trichloroethane	U	0.4	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,1-Dichloroethane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,1-Dichlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,1-Dichloropropane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2,3-Trichlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2,3-Trichloropropane	U	0.4	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2,4,6-Tetramethylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2,4-Trichlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2,4-Trimethylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2-Dibromo-3-chloropropane	U	0.4	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2-Dibromobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2-Dichlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2-Dichloroethane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,2-Dichloropropane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,3,5-Trimethylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,3-Dichlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,3-dichloropropane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,4-Dichlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
1,4-Dioxane	U	0.4	1.0	C	µg/L	1	4/3/2008 11:47:00 AM
2,2-Dichloropropane	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
2-Butanone	0.0	0.3	3.0		µg/L	1	4/3/2008 11:47:00 AM
2-Chloroethyl vinyl ether	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
2-Chlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
2-Chloroethane	U	0.3	2.0		µg/L	1	4/3/2008 11:47:00 AM
2-Propanol	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
4-Chlorobenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
4-nitropropylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
4-Methyl-2-pentanone	U	0.3	2.0		µg/L	1	4/3/2008 11:47:00 AM
Acetone	U	0.3	2.0		µg/L	1	4/3/2008 11:47:00 AM

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Qualifiers:	* Value exceeds Maximum Comments Level	B	Analyte detected in the associated fourth stream
	E Value above quantitation range	H	Holding times for preparation or analysis exceeded
	I Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	ND	Not Detected in the Reporting Limit
S	Spike Recovery outside accepted recovery limits	()	Indicates the compound was analyzed but not detected
C	Calibration NIST/MSDCO exceeded for non-GCC analysis		

American Analytical Laboratories, LLC

Date: 06-Apr-08

FLAP ID: 11412

CLIENT: Associated Environmental Svcs., LTD
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-01A

Client Sample ID: B-4 (GW)
Collection Date: 4/1/2009 10:00:00 AM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260B				Analyst: LA
n-Butyl acetate	U	0.3	2.0		µg/L	1	4/3/2008 11:47:00 AM
n-Butylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
n-Propyl acetate	U	0.4	1.0		µg/L	1	4/3/2008 11:47:00 AM
n-Propylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
n-Xylene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
p-Diethylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
p-Ethyltoluene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
iso-Butylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
Styrene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
t-Butyl alcohol	U	0.4	1.0		µg/L	1	4/3/2008 11:47:00 AM
tert-Butylbenzene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
Tetrachloroethene	38	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
Toluene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
(anti-1,2-Dichloroethane	U	0.3	1.0	C	µg/L	1	4/3/2008 11:47:00 AM
trans-1,2-Dichloropropene	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
Trichloroethene	1.5	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
Trichlorofluoromethane	U	0.3	1.0	C	µg/L	1	4/3/2008 11:47:00 AM
Vinyl acetate	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
Vinyl chloride	U	0.3	1.0		µg/L	1	4/3/2008 11:47:00 AM
Sum: 4-Bromofluorobenzene	82.4	0	86-138		%REC	1	4/3/2008 11:47:00 AM
Sum: Dibromochloromethane	86.0	0	83-127		%REC	1	4/3/2008 11:47:00 AM
Sum: Toluene-d8	88.5	0	81-128		%REC	1	4/3/2008 11:47:00 AM

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Qualifiers:	* Value exceeds Maximum Concentration Level	B	Analyte detected in the associated Method Blank
R	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Limit of Detection
LOQ	Limit of Quantitation	MD	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed but not detected
C	Calibration NBS/NMCL accepted for semi-CCC analysis		

Date: 06-Apr-09

KLAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD.
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-05A

Client Sample ID: R-5 (GW)
Collection Date: 4/1/2009 11:15:00 AM
Matrix: LIQUID

Certificate of Results

Analyte	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260							Analyst: LA
SW8260B							
1,1,2-Trachloroethane	U	0.4	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,1,1-Trichloroethane	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,1,2,2-Tetrachloroethane	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,1,2,2-Tetra-1,2,3-trifluoroethan-	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,1-Dichloroethane	U	0.4	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1-Chloroethane	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,1-Cyclohexene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,1-Dichloropropene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2,3-Trichloropropene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2,3-Trichloropropane	U	0.4	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2,4,5-Tetramethylbenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2,4-Trihalobenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2,4-Trimethylbenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2-Dibromo-3-chloropropane	U	0.4	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2-Dibromobenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,2-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,3-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,3-Dichloroethane	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,3-Dichloropropene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,3,5-Triethylbenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,3-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,3-dimethylpropane	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,4-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
1,4-Dioxane	U	0.4	1.0	µg/L	1	4/2/2009 4:23:00 PM	
2,2-Dichloropropane	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
2-Butanone	U	0.3	3.0	µg/L	1	4/2/2009 4:23:00 PM	
2-Chloroethyl vinyl ether	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
2-Chlorotoluene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
2-Hexanone	U	0.3	2.0	µg/L	1	4/2/2009 4:23:00 PM	
2-Propanol	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
4-Chlorotoluene	U	0.3	1.0	µg/L	1	4/2/2009 4:23:00 PM	
4-nonylphenol	U	0.3	2.0	µg/L	1	4/2/2009 4:23:00 PM	
Methyl-2-pentanone	U	0.3	2.0	µg/L	1	4/2/2009 4:23:00 PM	
Araldite	U	0.3	2.0	µg/L	1	4/2/2009 4:23:00 PM	

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16 - 0314346 100		FBI - DOJ LABORATORY		https://www.fbi.gov/laboratory		7/27/2016 10:00 AM	
Qualifiers							
E	Value exceeds Maximum Concentration Level	B	Analyte detected in the associated Method Blank				
F	Value above quantitation range	H	Holding times for preparation or analysis exceeded				
J	Analyte detected below quantitation limits	LDD	Limits of Detection				
LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit				
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed but not detected				
C	Calibration (%RSD) exceeded for non-CU analytes						

American Analytical Laboratories, LLC.

Date: 06-Apr-09

ELAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD.
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-05A

Client Sample ID: B-5 (GW)
Collection Date: 4/1/2009 11:15:00 AM
Matrix: LIQUID

Certificate of Results

Analysis	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8209			SW62509		Analyst: LA		
n-Butyl acetate	U	0.3	2.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
n-Butylbenzene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
n-Propyl acetate	U	0.4	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
n-Propylbenzene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
n-Xylene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
p-Methylbenzene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
p-Ethylbenzene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
sec-Butylbenzene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Styrene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
t-Butyl alcohol	U	0.4	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
tert-Butylbenzene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Tetrachloroethene	93	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Toluene	0.62	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
trans-1,2-Dichloroethene	U	0.5	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
trans-1,3-Dichloropropene	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Trichloroethene	2.7	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Trichlorofluoromethane	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Vinyl acetate	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Vinyl chloride	U	0.3	1.0	1.0	µg/L	1	4/27/2009 4:23:00 PM
Sum: 4-Bromobenzonitrile	96.7	0	80-130	µBEC	1	4/27/2009 4:23:00 PM	
Sum: Dibromofluoromethane	111	0	85-127	µBEC	1	4/27/2009 4:23:00 PM	
Sum: Tetraethyl	105	0	81-121	µBEC	1	4/27/2009 4:23:00 PM	

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[illegible]

American Analytical Laboratories, LLC

Date: 06-Apr-09

FLAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-05A

Client Sample ID: B-5 (GW)
Collection Date: 4/1/2009 11:15:00 AM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Name	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-046 METHOD 8280		SW02608					Analyst: LA
Acetoin	U	0.4	1.0	C	µg/L	1	4/2/2008 4:23:00 PM
Acrylonitrile	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Benzene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Bromobenzene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Bromochloromethane	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Bromodichloromethane	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Bromoforn	U	0.4	1.0		µg/L	1	4/2/2008 4:23:00 PM
Bromomethane	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Carbon disulfide	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Carbon tetrachloride	U	0.4	1.0		µg/L	1	4/2/2008 4:23:00 PM
Chlorobenzene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Chlorodifluoromethane	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Chloroethane	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Chloroform	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Chloromethane	U	0.2	1.0		µg/L	1	4/2/2008 4:23:00 PM
cis-1,2-Dichloroethane	8.8	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
cis-1,2-Dichloropropene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Cumachlorodifluoromethane	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Dibromomethane	U	0.4	1.0		µg/L	1	4/2/2008 4:23:00 PM
Dichlorodifluoromethane	U	0.4	1.0		µg/L	1	4/2/2008 4:23:00 PM
Diisopropyl ether	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Ethanol	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Ethyl acetate	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Ethylbenzene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Fluoroc-114	U	0.4	1.0		µg/L	1	4/2/2008 4:23:00 PM
trans-1,2-Dichloroethene	U	0.4	1.0		µg/L	1	4/2/2008 4:23:00 PM
Isopropyl acetate	U	0.4	1.0		µg/L	1	4/2/2008 4:23:00 PM
Isopropylbenzene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
m,p-Xylene	U	0.3	2.0		µg/L	1	4/2/2008 4:23:00 PM
n,p-Xylene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Methyl tert-butyl ether	16	0.3	1.0	BC	µg/L	1	4/2/2008 4:23:00 PM
Methylvinyl chloride	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
n-Butyl acetate	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM
Nitrobenzene	U	0.3	1.0		µg/L	1	4/2/2008 4:23:00 PM

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Qualifier	Value exceeds Maximum Concentration Level	Y	Analysis detected in the associated Method Blank
E	Value above quantitation range	H	Modeling error Rep preparation or analysis exceeded
J	Analysis detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	ND	Not Detected in the Reporting Limit
S	Spiked Recovery unable to accept recovery limits	U	Indicates the compound was analysed but not detected.
C	Calibration (MRSDPM) exceeded for non-CCC analysis		

American Analytical Laboratories, LLC.

Date: 06-Apr-09

ELAP ID : 11418

CLIENT: Associated Environmental Svcs., LTD.
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-06A

Client Sample ID: B-6 (GW)
Collection Date: 4/1/2009 12:00:00 PM
Matrix: LIQUID

Certificate of Results

Analyte	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260							Analyst: LA
5W92003							
1,1,2-Trichloroethane	U	0.4	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,1,1-Trichloroethane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,1,2,2-Tetrachloroethane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,1,2-Trichloro-1,2,2,2-tetrafluoroethane	U	0.4	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,1,2-Trichloroethane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,1-Dichloroethane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,1-Dichloroethene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,3-Dichloropropane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2,3-Trichlorobenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2,3-Trichloropropane	U	0.4	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2,4,5-Tetrachlorobenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2,4-Trichlorobenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2,4-Trimethylbenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2-Dibromo-3-chloropropane	U	0.4	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2-Dibromomethane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2-Dichlorobenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2-Dichloroethane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,2-Dichloropropane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,3,5-Trimethylbenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,3-Dichlorobenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,3-Dichloropropane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,4-Dichlorobenzene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
1,4-Dioxane	U	0.4	1.0	µg/L		1	4/2/2008 4:53:00 PM
2,3-Dichloropropane	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
2-Butanone	U	0.3	3.0	µg/L		1	4/2/2008 4:53:00 PM
2-Chloroethyl vinyl ether	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
2-Chlorotoluene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
2-Hexanone	U	0.3	2.0	µg/L		1	4/2/2008 4:53:00 PM
2-Propanol	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
4-Chlorotoluene	U	0.3	1.0	µg/L		1	4/2/2008 4:53:00 PM
4-Isopropyltoluene	U	0.3	2.0	µg/L		1	4/2/2008 4:53:00 PM
4-Methyl-2-pentanone	U	0.3	2.0	µg/L		1	4/2/2008 4:53:00 PM
Acetone	U	0.3	2.0	µg/L		1	4/2/2008 4:53:00 PM

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Q	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Limit of Detection
LOQ	Limit of Quantitation	ND	Not Detected in the Reporting Limits
S	Spike Recovery outside acceptance recovery limits	U	Indicates the compound was analyzed but not detected
C	Calibration %RSD/%AD exceeded for non-CCC analytes		

Date: 16-Apr-09

ELAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-09A

Client Sample ID: B-3 (GW)
Collection Date: 4/1/2009 1:30:00 PM
Matrix: LIQUID

Certificate of Results

Analytes	Sample Remark	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8200							Analyst: LA
SWS260B							
1,1,1,2-Tetrachloroethane	U	0.4	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,1,1-Trichloroethane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,1,2,2-Tetrachloroethane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,1,2-Trichloro-1,2,2-difluoroethane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,1,2-Trichloroethane	U	0.4	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1-Chlorobutene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1-Chlorobutadiene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1-Chloropropene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,2,3-Trichloropropane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,2,3-Trichloropropane	U	0.4	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,2,4,5-Tetraethylbenzene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,2,4-Trichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,2,4-Trimethylbenzene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,4-Dibromo-2-chloropropane	U	0.4	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,4-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,4-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1-Chlorocyclopentane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1-Chlorocyclohexane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,3-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,3-dichloropropane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,4-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
1,4-Dioxane	U	0.4	1.0	µg/L	1	4/2/2009 6:55:00 PM	
2,2-Dichloropropane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
2-Butanone	U	0.3	3.0	µg/L	1	4/2/2009 6:55:00 PM	
2-Chloroethyl vinyl ether	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
2-Chlorodioxane	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
2-Hexanone	U	0.3	2.0	µg/L	1	4/2/2009 6:55:00 PM	
2-Propanol	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
4-Chlorobutene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
4-propoxytoluene	U	0.3	1.0	µg/L	1	4/2/2009 6:55:00 PM	
4-Methyl-2-pentanone	U	0.3	2.0	µg/L	1	4/2/2009 6:55:00 PM	
Acetone	U	0.3	2.0	µg/L	1	4/2/2009 6:55:00 PM	

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Qualifiers	A Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E	Value above quantitation range	H Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOO Limit of Detection
LOQ	Limit of Quantitation	ND Not Detected at the Reporting Limit
R	Spike Recovery outside accepted recovery limits	U Indicates the compound was analyzed but not detected.
C	Calibration %RSD/MD exceeded for non-CCC analytes	

American Analytical Laboratories, LLC.

Date: 06-Apr-09

ELAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD.
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-09A

Client Sample ID: B-8 (GW)
Collection Date: 4/1/2009 1:30:00 PM
Matrix: LIQUID

Certificate of Results

Analyte	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260							Analyst: LA
Acetoin	U	0.4	1.0	C	µg/L	1	4/22/2008 8:55:00 PM
Acrylonitrile	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Benzene	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Bromobenzene	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Bromochloromethane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Bromodichloromethane	U	0.2	1.0		µg/L	1	4/22/2008 8:55:00 PM
Bromotoluene	U	0.4	1.0		µg/L	1	4/22/2008 8:55:00 PM
Bromoxane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Carbon disulfide	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Carbon tetrachloride	U	0.4	1.0		µg/L	1	4/22/2008 8:55:00 PM
Chlorobenzene	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Chlorodibromomethane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Chloroethane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Chloroform	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Chloromethane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
di-1,2-Dichloroethane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
di-1,4-Dichloropropane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Dibromodichloromethane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Dibromomethane	U	0.4	1.0		µg/L	1	4/22/2008 8:55:00 PM
Dichlorodibromomethane	U	0.4	1.0		µg/L	1	4/22/2008 8:55:00 PM
Diisopropyl ether	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Ethanol	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Ethyl acetate	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Ethylbenzene	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Hex-114	U	0.4	1.0		µg/L	1	4/22/2008 8:55:00 PM
Heptachlorobenzene	U	0.4	1.0		µg/L	1	4/22/2008 8:55:00 PM
Isopropyl alcohol	U	0.4	1.0		µg/L	1	4/22/2008 8:55:00 PM
Isopropylbenzene	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
m,p-Xylene	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
monomethyl ether	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Methylene chloride	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
n-Butyl acetate	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM
Neopentane	U	0.3	1.0		µg/L	1	4/22/2008 8:55:00 PM

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Quantifiers	<ul style="list-style-type: none"> • Values exceeds Maximum Contaminant Level E Value above optimization range J Analyte detected below quantitation limits Limit of Quantitation LOQ S Spike Recovery outside accepted recovery limits C Calibration N/A/SDM/4 extended for non-CCC analytes 	<ul style="list-style-type: none"> ■ Analyte detected in the associated Method Blank (H Holding time for preparation or analysis exceeded) LOD Limit of Detection ND Not Detected at the Reporting Limit U Indicates the compound was analyzed but not detected.
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American Analytical Laboratories, LLC.

Date: 06-Apr-09

FLAP ID: 1141B

CLIENT: Associated Environmental Svcs., LTD
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-09A

Client Sample ID: B-8 (GW)
Collection Date: 4/1/2009 1:30:00 PM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Route	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260B		Analysis: LA		
n-Butyl acetate	U	0.3	2.0	µg/L	1	4/2/2008 9:55:00 PM	
n-Butylbenzene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
n-Propyl acetate	U	0.4	1.0	µg/L	1	4/2/2008 9:55:00 PM	
n-Propylbenzene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
o-Xylene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
p-Chlorobenzene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
p-Ethylbenzene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
sec-Butylbenzene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
Styrene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
t-Butyl alcohol	U	0.4	1.0	µg/L	1	4/2/2008 9:55:00 PM	
tert-Butylbenzene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
Tetrachloroethane	510	3	10	µg/L	10	4/5/2008 1:28:00 PM	
Toluene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
trans-1,2-Dichlorobenzene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
trans-1,3-Dichloropropene	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
Trichloroethane	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
Trichlorofluoromethane	U	0.3	1.0	µg/L	1	4/2/2008 9:55:00 PM	
Vinyl acetate	U	0.3	1.0	µg/L	1	4/5/2008 9:55:00 PM	
Vinyl chloride	U	0.3	1.0	µg/L	1	4/5/2008 9:55:00 PM	
Sur: 4-Bromofluorobenzene	86.9	0	65-130	µg/EC	10	4/2/2008 9:55:00 PM	
Sur: 4-Bromofluorobenzene	96.8	0	65-130	µg/EC	1	4/2/2008 9:55:00 PM	
Sur: 4-Bromofluorobenzene	122	0	63-127	µg/EC	1	4/2/2008 9:55:00 PM	
Sur: 4-Bromofluorobenzene	84.8	0	63-127	µg/EC	10	4/5/2008 1:28:00 PM	
Sur: Dichlorofluoromethane	104	0	61-128	µg/EC	10	4/5/2008 1:28:00 PM	
Sur: Toluene-di	96.4	0	61-128	µg/EC	1	4/2/2008 9:55:00 PM	

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Qualifiers	<ul style="list-style-type: none"> - Value exceeds Maximum Concentration Level E Value above quantitation range J Analyte detected below quantitation limits 	<ul style="list-style-type: none"> B Analyte detected in the prescribed Method Blank H Holding times for preparation or analysis exceeded LOQ Limit of Detection ND Not Detected at this Reporting Limit U Indicates the compound was analyzed but not detected
LOQ	<ul style="list-style-type: none"> S Spike Recovery outside accepted recovery limits C Calibration NIST/MSD exceeded for non-CCC analytes 	

American Analytical Laboratories, LLC

Date: 06-Apr-09

ELAP ID: 11418

CLIENT: Associated Environmental Svcs., LTD
Lab Order: 0904030
Project: Sutter Avenue, Brooklyn, NY
Lab ID: 0904030-10A

Client Sample ID: B-3 (0-5')
Collection Date: 4/1/2009 1:20:00 PM
Matrix: SOIL

Certificate of Results

Analyte	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			D2216				Analyst: NM
Percent Moisture	19.2	0	wt%	1		4/5/2009	
VOLATILE BY-846 METHOD 8260			8W82606				Analyst: LA
1,1,2,2-Tetrachloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,1,1-Trichloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,1,2,2-Tetrachloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,1,2-Trichloro-1,2,2,2-tetrafluoroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,1,2-Trichloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,1-Dichloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,1-Dichloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,1-Dichloropropane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2,3-Trichlorobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2,3-Trichloropropane	U	0.49	8.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2,4,5-Tetrachlorobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2,4-Trichlorobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2,4-Trinitrobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2-Dichloro-3-chloropropene	U	0.49	8.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2-Dichloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2-Dichlorobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2-Dichloroethane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,2-Dichloropropane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,3,5-Trinitrobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,3-Dichlorobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,3-Dichloropropane	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,4-Dichlorobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
1,4-Dioxane	U	0.49	8.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
2,4-Dichloropropene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
2-Butanone	U	0.49	8.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
2-Chloroethyl vinyl ether	U	0.49	8.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
2-Chloroethanol	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
2-Hexanone	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
2-Propanol	U	0.49	8.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	
4-Chlorobenzene	U	0.37	6.2	µg/Kg-dry	1	4/2/2009 4:38:00 PM	

American Analytical Laboratories, LLC, 58 Toledo Street, Farmingdale, NY, Zip - 11738
Tel - 6314546100 Fax - 6314546027 www.American-Analytical.com

Qualifier	Value exceeds Maximum Concentration Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
F	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed but not detected.
C	Calibration YARD/MSD exceeded for non-CCC analytes		

CLIENT: Associated Environmental Services, Ltd.
Work Order: 0904030
Location: Seaford Avenue, Brooklyn, NY
Test Code: Dry/PB260 Soil

[illegible]

Qualifiers	E	V	H	LQ	J
	Value above quantitation limit		Holding times for preparation or analysis exceeded	Limit of Quantitation	Analyte detected below quantification limit
LOD	Limit of Detection				
R	RPD inside accepted recovery limits		S Spike Recovery outside accepted recovery limits		ND Not Detected at the Reporting Limit
					U Substrate for compound was analyzed

35

CLIENT: Associated Environmental Svc., LTD.
0904030
Work Order:
Location: Sutter Avenue, Brooklyn, NY
Test Code: DRYF-002260 Soil
ANALYTICAL QC SUMMARY REPORT

[illegible]

Qualifiers	E	V	H	L	A	N	I
	Value where position zero						
LOD	Limit of Detection						
R	RPT outside accepted recovery limits						
S	S&S recovery outside accepted recovery limits						
LOQ	Limit of Quantitation						
X	Holding times for preparation or analysis exceeded						
I	Analyte detected below quantitation limit						
NQ	Not Detected as the Reporting Limit						
U	Indicates the compound was analyzed						

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CLIENT: Associated Environmental Svcs. LTD.
Work Order: D904030
Project: Satter Avenue, Brooklyn, NY
Test Code: DRYFMS260 Soil

Sample ID: VIAL-CL-000290L	Serial Type: LCL	TestCode: DYN-AST-100	Units: ppb/Kg	Prep Date:	Runfile: 49290L					
Client ID: LCL26	Batch ID: 0429290L	TestDate: 09/03/2008		Analysis Date: 4/29/2009	Sample: 06/04/09					
Analysis	Result	PQL	SPK NM Val	%REC	LowLimit	HighLimit	RPP Ref Val	%RPP	RPP/Limit	Qual
1,1,1,2-Tetrachloroethane	53	5.3	50.00	0	105	25	125			
1,1,1,1-Tetrachloroethane	58	5.3	50.00	0	117	26	130			
1,1,1,2,2-Pentachloroethane	44	5.3	50.00	0	87.8	30	150			
1,1,2,2,2-Pentachloroethane	29	5.3	50.00	0	57.2	30	150			
1,1,2,2-Trichloroethane	48	5.3	50.00	0	89.5	26	126			
1,1-Dichloroethane	91	5.3	50.00	0	100.3	20	129			
1,1-Dichloroethene	50	5.3	50.00	0	110	25	130			
1-Chloropropane	36	5.3	50.00	0	112	30	130			
1,2-Dichloroethane	35	5.3	50.00	0	110	30	130			
1,2,3-Trichloroethane	45	5.3	50.00	0	95.3	30	150			
1,2,3,4-Tetrachloroethane	61	5.3	50.00	0	12.0	30	150			
1,2,3,4,5-Pentachloroethane	49	5.3	50.00	0	119	30	150			
1,2-Dichlorobenzene	32	5.3	50.00	0	64.4	30	150			
1,3-Dichlorobenzene	49	5.3	50.00	0	97.3	30	150			
1,3-Dichlorobutadiene	49	5.3	50.00	0	98.5	21	120			
1,3-Dichloropropane	49	5.3	50.00	0	97.0	20	120			
1,2-Dichloropropane	48	5.3	50.00	0	96.6	22	126			
1,3,5-Trimethylbenzene	56	5.3	50.00	0	113	30	150			
1,3-Dichlorobenzene	53	5.3	50.00	0	106.2	23	120			
1,3-Dichloropropane	45	5.3	50.00	0	90.1	30	150			
1,4-Dichlorobenzene	53	5.3	50.00	0	109	26	123			
1,4-Dichloropropane	55	5.3	50.00	0	109	30	150			
1,4-Dichlorobutadiene	81	5.3	50.00	0	121	30	150			
2,2-Dichloropropane	57	5.3	50.00	0	114	30	150			
4-Chlorobenzene	57	5.3	50.00	0	110	30	150			
4-Ethoxybenzene	50	5.3	50.00	0	120	25	126			
Acrylonitrile	60	5.3	50.00	0	121	25	125			
Benzene	48	5.3	50.00	0	95.5	30	130			
Bromobenzene	52	5.3	50.00	0	100.3	30	130			
Bromochlorobenzene	43	5.3	50.00	0	86.7	20	120			
Bromodichlorobenzene	52	5.3	50.00	0	104	30	130			

Qualifiers		Qualifiers		Qualifiers	
E	Values above summation range	H	Holding times for preparation or analysis exceeded	J	Analysis detected below quantitation limit
LLO	Limit of Detection	LQ	Limit of Quantitation	MD	Met Detected at the Reporting Limit
R	RPD outside increased recovery limits	S	Sample Recovery outside increased recovery limits	U	Indicates the compound was analyzed

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CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Product: Super A sense, Brockton, NY
Test Code: DRY-9/25/2/69 Sd4

[illegible][illegible]

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ANALYTICAL QC SUMMARY REPORT
TestCode: DryFall8260_Soil

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Location: Sunset Avenue, Brooklyn, NY

TestCode: Dry Fall 89260 Soil

0570430
Linger Avenue Brooklyn NY

[illegible]

Qualifiers	E	Value above quantization range	H	Holding times for preparation of analysis extended	I	Analyte associated with quantization
LOD	LOD	Level of Detection	LOD	Limit of Quantitation	ND	Not Detected at the Reporting Limit
					II	Indicates the compound was analyzed

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030

TestCode: Dry-Pul-B0260 Sol

0904030

[illegible]

Qualifiers:	F	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation
LOD	Limit of Detection		LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
					NI	Indicates the compound was analyzed

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., Ltd.
Work Order: 0904030
Project: Sutler Avenue, Brooklyn, NY

TestCode: DryFull05760_Soil

Postfach: 0904030
Surtet Avenue, Brooklyn, NY

[illegible]

Qualifiers	E	H	J
	Value shown quantization range	Holding times for preparation or analysis recorded	Analytic detected below quantitation limit
LOQ	Limit of Detection	LOQ Limit of Quantitation	ND Not Detected at the Reporting Limit
R	RPT results unmet recovery limits	S	U Indicates the compound was analyzed

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030

TestCode: DryPal152.60 Soil

Work Order: 0904030

[illegible]

Qualifiers	E	H	J	ND
Value above specified range				
Limit of Detection				
Limit of Quantitation				
Not Detected at Reporting Limit				
Not Detected below quantitation limit				

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Project: Syntex Avenue Brooklyn, NY

[illegible]

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ANALYTICAL QC SUMMARY REPORT
TestCode: F088160 W

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 090403-0
Project: Sutter Avenue, Brooklyn, NY

Sample ID: Y04L03-040306L	Sample Type: LC3	Test Code: FALCIN_W	Units: µg/L	Prep Date:	Reference: 42506						
Client ID: LC3W	Batch ID: R42506	Trade: 8952899		Analysis Date: 4/25/06	Sample: 883337						
Analysis	Result	POL	BPK	BPK Ref Val	NRCC	Low Limit	High Limit	RPD Ref Val	NRPD	ROD Limit	Qual
1,1,1,1,2,2-Tetrachloroethane	45	1.0	50.00	0	50.0	0	50.0	35	135		
1,1,1,2,2-Pentachloroethane	48	1.0	50.00	0	50.0	0	50.0	45	145		
1,1,1,2,2,2-Hexachloroethane	41	1.0	50.00	0	50.0	0	50.0	42	138		
1,1,1,2,2-Trichloro-1,2,2,2-tetrafluoroethane	24	1.0	50.00	0	50.0	0	50.0	41.8	42	136	
1,1,2,2,2-Pentachloroethane	47	1.0	50.00	0	50.0	0	50.0	42	136		
1,1,2,2,2-Tetrachloroethane	41	1.0	50.00	0	50.0	0	50.0	42.2	40	150	
1,1,1,2,2,2-Hexachloroethane	47	1.0	50.00	0	50.0	0	50.0	40.4	30	154	
1,1-Chloroethane	50	1.0	50.00	0	50.0	0	50.0	101	35	135	
1,1,2-Dichloroethane	42	1.0	50.00	0	50.0	0	50.0	43.3	35	135	
1,2,3-Trichloroethane	48	1.0	50.00	0	50.0	0	50.0	42.5	35	135	
1,2,4-Trichloroethane	48	1.0	50.00	0	50.0	0	50.0	38	35	135	
1,2,4,5-Tetrachloroethane	52	1.0	50.00	0	50.0	0	50.0	46.8	35	135	
1,2-Dichloro-2-chloropropylene	44	1.0	50.00	0	50.0	0	50.0	65.9	35	135	
1,2-Dichlorobenzene	46	1.0	50.00	0	50.0	0	50.0	81.2	35	135	
1,2-Chlorobenzene	44	1.0	50.00	0	50.0	0	50.0	90.3	36	141	
1,2-Dichloropropane	48	1.0	50.00	0	50.0	0	50.0	47.1	44	138	
1,3-Dichloropropane	44	1.0	50.00	0	50.0	0	50.0	44.5	35	135	
1,3,5-Trichlorobenzene	49	1.0	50.00	0	50.0	0	50.0	38.6	35	135	
1,3-Dichlorobenzene	45	1.0	50.00	0	50.0	0	50.0	40.4	35	135	
1,4-Dichlorobenzene	48	1.0	50.00	0	50.0	0	50.0	40.4	40	135	
1,4-Chlorobenzene	54	1.0	50.00	0	50.0	0	50.0	38.6	35	135	
2,2-Dichloropropane	48	1.0	50.00	0	50.0	0	50.0	69.9	35	135	
2-Chlorobenzene	47	1.0	50.00	0	50.0	0	50.0	89.0	35	135	
4-Chlorobenzene	52	1.0	50.00	0	50.0	0	50.0	104	35	135	
4-Chlorophenylacetylene	48	1.0	50.00	0	50.0	0	50.0	94.4	35	135	
Acetylene	43	1.0	50.00	0	50.0	0	50.0	86.5	42	144	
Benzene	47	1.0	50.00	0	50.0	0	50.0	86.5	42	144	
Bromobenzene	48	1.0	50.00	0	50.0	0	50.0	84.4	35	135	
Bromochlorobenzene	47	1.0	50.00	0	50.0	0	50.0	84.4	35	135	
Bromodichlorobenzene	44	1.0	50.00	0	50.0	0	50.0	87.7	35	135	

Qualifiers

LOQ Limit of Detection

R. RPD made accepted recovery limit

S. Value above correlation range

LOQ Limit of Detection

R. RPD made accepted recovery limit

H. Holding time for preparation at analysis completed

LOQ Limit of Quantitation

S. Spike Recovery outside accepted recovery limit

J. Analyte detected below quantitation limit

ND Not Detected at Reporting Limit

U Indicates the compound was undetected

45

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904020
Project: Sutter Avenue, Brooklyn, NY

Sample ID: VML-K000000L	Sample Type: MSLJK	TestCode: F00039_W	Units: µg/L	Print Date	RunNo: 47959				
Client ID: P991	Batch ID: W0000	TestNo: 00000000	SPK Ref Val	Analyte Date: 4/23/2009	Suplot: 000000				
Analyte	Result	PCOL	SPK Val	MOEC	Lowest Unit	High Unit	RPO Ref Val	RPO Unit	Qual
4-Methyl-2-pyrone	U	2.0							
Acetone	U	2.0							
Acetoin	U	1.0							
Acrylonitrile	U	1.0							
Benzene	U	1.0							
Bromobenzene	U	1.0							
Chlorobenzene	U	1.0							
Bromodichloromethane	U	1.0							
Bromodibromomethane	U	1.0							
Bromodifluoromethane	U	1.0							
Bromochloromethane	U	1.0							
Bromomethane	U	1.0							
Bromonitrile	U	1.0							
Carbon disulfide	U	1.0							
Carbon tetrachloride	U	1.0							
Chlorobenzene	U	1.0							
Chlorodibromomethane	U	1.0							
Chlorodifluoromethane	U	1.0							
Chloromethane	U	1.0							
Chloronitrile	U	1.0							
Chloroform	U	1.0							
Chloroform dimethyl acetal	U	1.0							
Chloroform dimethyl ether	U	1.0							
Chloroform dimethyl sulfide	U	1.0							
Chloroform dimethyl sulfoxide	U	1.0							
Chloroform dimethyl sulfone	U	1.0							
Chloroform dimethyl sulfide dimethyl acetal	U	1.0							
Chloroform dimethyl sulfide dimethyl ether	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfoxide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfone	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl acetal	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl ether	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfoxide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfone	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl acetal	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl ether	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfoxide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfone	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl acetal	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl ether	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfoxide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfone	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl acetal	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl ether	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide	U	1.0							
Chloroform dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfide dimethyl sulfoxide	U	1.0							

3-

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Project: Sutter Avenue Brooklyn, NY

Sample ID: V934-C18-422508

Sample ID: V934-C18-422508	Serial Type: L18	Test Code: Fusion_M	Units: µg/L	Prep Date	Number: 422508						
Client ID: LCBW	Batch ID: 942504	TestKit: SWK2505		Analysis Date: 4/22/2008	Epoch: 865387						
Analysis	Result	PQL	SPK Value	SPK Ref Val	MGEC	Low Limit	High Limit	RPD Ref Val	SPRPD	RPD Limit	Qual

Bromobenzene	49	1.0	50.00	0	87.1	28	138				
Carbon disulfide	44	1.0	50.00	0	87.7	35	138				
Carbon tetrachloride	54	1.0	50.00	0	107	45	141				
Chlorobenzene	43	1.0	50.00	0	85.8	35	137				
Chloroform	46	1.0	50.00	0	87.7	35	135				
cis-1,2-Dichloroethane	44	1.0	50.00	0	87.0	42	130				
Diethylamine	44	1.0	50.00	0	86.1	21	134				
Dibromochloromethane	45	1.0	50.00	0	86.4	45	148				
Ethylbenzene	45	1.0	50.00	0	89.8	35	138				
Heptachlorobenzene	51	1.0	50.00	0	101	35	135				
Isopropylbenzene	46	2.0	100.00	0	85.8	35	135				
Methylene chloride	62	1.0	50.00	0	87.7	35	144				
Naphthalene	44	1.0	50.00	0	79.4	35	135				
o-Cresol	44	1.0	50.00	0	86.4	35	138				
p-Toluenesulfonamide	49	1.0	50.00	0	96.4	35	135				
p-Xylene	48	1.0	50.00	0	95.3	35	135				
sec-Butylbenzene	53	1.0	50.00	0	100	35	135				
Styrene	49	1.0	50.00	0	86.0	35	135				
tert-Butylbenzene	56	1.0	50.00	0	111	35	135				
Toluene	44	1.0	50.00	0	87.7	45	136				
trans-2-Octene	43	1.0	50.00	0	86.4	43	134				
trans-1,3-Dichloropropene	46	1.0	50.00	0	91.5	42	136				
trans-1,3-Dichlorobutene	47	1.0	50.00	0	82.3	37	133				
Toluene	48	1.0	50.00	0	96.8	43	140				
Surf-4-Bromobenzonitrile	54				128	80	120				
Surf-Dibromonaphthalene	50				89.2	83	120				
Surf-Toluene-d8	48				86.4	81	120				

Qualifier:	E	Value above quantitation range	H	Holding time for preparation or analysis exceeded	I	Analyte detected below quantitation limit
	LOQ	Low Limit of Quantitation			ND	Not Detected in the Reporting Limit
	R	RPD outside accepted recovery limits			U	Unstable in the compound was analyzed
	S	Spiked Recovery outside accepted recovery limits				

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ANALYTICAL QC SUMMARY REPORT
TestCode: Full260_W

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Project: Sutter Avenue, Brooklyn, NY

[illegible]

Qualifiers	E	H	I
	Value above optimization range	Holding limits for preparation or analysis extended	Analyte described before quantitation
LOR	Level of Detection	LOQ	Not Detected at the Reporting Limit
R	RPD meets accepted recovery limits	S	Recovery outside accepted recovery limits
			U indicates the compound was analyzed

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Project: Sutter Avenue, Brooklyn, NY

Report ID: 101043474480	Sample Type: MSD	Test Code: F10000_W	Units: ppb	Prep Date	Number: 42886					
Client ID: B-1 (P01)	Batch ID: 104006	Test Date: 09/03/2005		Analysis Date: 02/28/2006	Sample: B03378					
Analysis	Result	PQL	SPR value	SPR: N/A	MS/MS	MS/MSL	Qual			
1,1,1-Trichloroethane	40	1.0	50.00	0	80.8	35	135	44.80	10.8	20
1,1,1,1-Tetrachloroethane	34	1.0	50.00	0	80.1	43	148	48.15	10.8	20
1,1,1,2-Tetrachloroethane	38	1.0	50.00	0	75.0	32	148	41.97	11.2	20
1,1,2,2-Tetrachloroethane	23	1.0	50.00	0	46.2	42	138	28.97	11.7	20
1,1,2,2-Tetrachloroethane	42	1.0	50.00	0	83.4	42	138	40.02	9.83	20
1,1-Dichloroethane	44	1.0	50.00	0	87.8	40	190	40.70	8.27	20
1,1-Dichloroethane	42	1.0	50.00	0	83.7	30	194	44.76	8.74	20
1,1-Dichloropropane	36	1.0	50.00	0	78.0	38	188	42.02	11.4	20
1,2-Dichloropropane	46	1.0	50.00	0	82.2	38	126	28.89	11.4	20
1,2,3-Trichloropropane	38	1.0	50.00	0	81.9	38	135	42.82	11.8	20
1,2,3-Trichloropropane	34	1.0	50.00	0	81.9	38	135	42.82	10.3	20
1,2,4-Trichlorobutane	35	1.0	50.00	0	81.9	35	135	42.82	10.4	20
1,2,4-Trichlorobutane	35	1.0	50.00	0	85.2	35	135	32.15	14.2	20
1,2-Dichloro-3-Chloropropane	35	1.0	50.00	0	70.8	35	135	44.50	22.4	R
1,2-Dichloroethane	38	1.0	50.00	0	78.8	40	129	43.33	11.8	20
1,2-Dichloroethane	38	1.0	50.00	0	78.8	38	141	43.98	8.98	20
1,2-Dichloroethane	40	1.0	50.00	0	74.1	44	138	40.87	10.1	20
1,2-Dichloropropane	37	1.0	50.00	0	82.1	35	135	46.35	12.2	R
1,3,5-Trinitrobenzene	41	1.0	50.00	0	79.7	40	135	42.71	8.85	20
1,3-Dichlorobenzene	40	1.0	50.00	0	78.4	35	135	47.04	20.7	20
1,3-Dichloropropane	38	1.0	50.00	0	80.9	40	135	43.85	8.21	20
1,4-Dichlorobenzene	44	1.0	50.00	0	80.9	40	135	47.04	8.21	20
1,4-Dichlorobenzene	44	1.0	50.00	0	84.8	38	138	44.53	8.26	20
2,2-Dichloropropane	47	1.0	50.00	0	82.0	38	135	43.37	11.0	20
2-Chloropropane	42	1.0	50.00	0	82.0	38	135	43.37	8.31	20
4-Chlorobenzene	41	1.0	50.00	0	82.6	38	138	42.37	8.31	20
4-Chlorobenzene	41	1.0	50.00	0	87.0	35	135	46.88	13.8	20
4-Chlorobenzene	35	1.0	50.00	0	87.0	35	135	41.89	11.9	20
Benzene	43	1.0	50.00	0	71.0	45	144	37.84	5.86	20
Benzene	43	1.0	50.00	0	85.2	35	135	48.84	13.9	20
Bromobenzene	41	1.0	50.00	0	82.5	38	135	40.77	1.96	20
Bromobenzene	41	1.0	50.00	0	82.8	35	135	47.22	13.4	20

[illegible]

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Address: Sutter Avenue, Brooklyn, NY

[illegible][illegible]

ANALYTICAL QC SUMMARY REPORT

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904070
Project: Sutter Avenue, Brooklyn, NY

Sample ID: 06A0405-07A045	Sample Type: MS	Test/Comp: FullScan_M	Units: µg/L	Prep Date:	Rawfile: 426268								
Client ID: B-1 (09)	Batch ID: 042626	Testfile: 09020608		Analyte Date: 4/27/2009	Report: 060335								
Analysis	Result	POL	SPK	Val	BPK	Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	45	1.0	50.00	0	58.8	35	135						
1,1,2,2-Tetrachloroethane	49	1.0	50.00	0	99.3	43	148						
1,1,2,3-Tetrachloroethane	42	1.0	50.00	0	83.9	32	148						
1,1,2,3,4-Pentachloroethane	28	1.0	50.00	0	51.8	42	136						
1,1,2,3,4-Pentachlorobenzene	48	1.0	50.00	0	92.0	42	136						
1,1,2,3,4-Pentachlorobenzene	48	1.0	50.00	0	95.4	40	150						
1,1,2,3,4-Pentachlorobenzene	48	1.0	50.00	0	89.5	30	154						
1,1,2,3,4-Pentachlorobenzene	45	1.0	50.00	0	89.5	30	154						
1,1,2,3,4-Pentachlorobenzene	42	1.0	50.00	0	84.0	35	135						
1,1,2,3,4-Pentachlorobenzene	40	1.0	50.00	0	78.4	35	135						
1,1,2,3,4-Pentachlorobenzene	35	1.0	50.00	0	85.2	35	135						
1,1,2,3,4-Pentachlorobenzene	43	1.0	50.00	0	85.2	35	135						
1,1,2,3,4-Pentachlorobenzene	41	1.0	50.00	0	85.2	35	135						
1,1,2,3,4-Pentachlorobenzene	32	1.0	50.00	0	94.3	35	135						
1,1,2,3,4-Pentachlorobenzene	44	1.0	50.00	0	86.6	35	135						
1,1,2,3,4-Pentachlorobenzene	44	1.0	50.00	0	85.7	40	120						
1,1,2,3,4-Pentachlorobenzene	44	1.0	50.00	0	94.2	35	141						
1,1,2,3,4-Pentachlorobenzene	41	1.0	50.00	0	91.7	35	135						
1,1,2,3,4-Pentachlorobenzene	46	1.0	50.00	0	81.8	35	135						
1,1,2,3,4-Pentachlorobenzene	43	1.0	50.00	0	85.4	40	135						
1,1,2,3,4-Pentachlorobenzene	44	1.0	50.00	0	87.1	40	135						
1,1,2,3,4-Pentachlorobenzene	44	1.0	50.00	0	87.1	40	135						
1,1,2,3,4-Pentachlorobenzene	44	1.0	50.00	0	87.1	40	135						
1,1,2,3,4-Pentachlorobenzene	46	1.0	50.00	0	87.8	35	135						
1,1,2,3,4-Pentachlorobenzene	45	1.0	50.00	0	86.1	35	135						
1,1,2,3,4-Pentachlorobenzene	47	1.0	50.00	0	94.1	35	135						
1,1,2,3,4-Pentachlorobenzene	45	1.0	50.00	0	90.8	35	135						
1,1,2,3,4-Pentachlorobenzene	50	1.0	50.00	0	86.8	35	135						
1,1,2,3,4-Pentachlorobenzene	41	1.0	50.00	0	83.0	35	135						
1,1,2,3,4-Pentachlorobenzene	38	1.0	50.00	0	75.3	45	144						
1,1,2,3,4-Pentachlorobenzene	49	1.0	50.00	0	72.9	38	135						
1,1,2,3,4-Pentachlorobenzene	49	1.0	50.00	0	80.3	35	135						
1,1,2,3,4-Pentachlorobenzene	47	1.0	50.00	0	94.4	35	135						

Qualifiers	E	H	J
LOD	Values above quantitation limit	Holding times for preparation or analysis exceeded	Analysis detected below quantitation limit
R	Ratio of Detection	LOD	Not Detected at the Reporting Limit
	RPT outside accepted recovery limits	5	Indicates the compound was analyzed

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Location: Sutton Avenue Brooklyn NY

[illegible]

Qualifiers	E	F	G	H	I	J
	Values above quantitation range	Values above quantitation range	Values above quantitation range	Holding times for preparation or analysis exceeded	Analyte detected below quantitation limit	Analyte detected below quantitation limit
LOQ	Limit of Detection	Limit of Detection	Limit of Detection	LOQ	Limit of Quantitation	Limit of Quantitation
	WATN results accounted accurate results	WATN results accounted accurate results	WATN results accounted accurate results	S	Sample Recovery outside accepted recovery limits	Sample Recovery outside accepted recovery limits
				U	Uniformity for compound was analyzed	Uniformity for compound was analyzed
					MO	Not Detected in the Reporting Limit
					U	Uniformity for compound was analyzed

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Customer: Customer Acquisition Foundation, NY

[illegible]

Qualifiers	E	H	LOQ	NO	U
Values above quantitation range					
Level of Detection	LOQ	LOQ	LOQ	LOQ	LOQ
Analysis detected above quantitation level					
Not Detected in the Reporting Limit					
Indicates the compound was analyzed					

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 09D4030
Project: Sutter Avenue, Brooklyn, NY

Sample ID: 664020-07/AL8D	Sample Type: MS0	Test Code: F04288_WF	Units: µg/L	Prep Date:	Form: 42504						
Client ID: 8-2 (QW)	Batch ID: 043008	TestRef: 87562268		Analysis Date:	Form: 863376						
	Result	POL	SPK Value	SPK Ref Val	NAEC	Low Level	SPK Value	SPK Ref Val	NAEP	RPD Limit	Qual
Aromatics	40	1.0	50.00	0	80.9	136	136	48.29	17.7	20	
Benzofuran	41	1.0	50.00	0	82.5	35	135	43.71	6.46	20	
Carbon disulfide	48	1.0	50.00	0	79.1	41	142	41.83	8.35	20	
Carbon tetrachloride	49	1.0	50.00	0	89.2	35	137	44.56	8.08	20	
Chlorobenzene	37	1.0	50.00	0	89.2	35	137	44.56	8.08	20	
Chloroethane	120	1.0	50.00	81.14	79.2	35	135	116.4	5.86	20	
Chloroform	32	1.0	50.00	0	84.6	42	130	35.80	10.3	20	
Chloromethane	40	1.0	50.00	0	78.6	21	134	44.08	18.4	20	
Diethylamine	39	1.0	50.00	0	77.4	45	148	43.38	16.5	20	
Dibenzofuran	38	1.0	50.00	0	77.4	35	135	43.38	16.5	20	
Heptachlorobenzene	42	1.0	50.00	0	82.5	35	135	43.71	13.6	20	
Hexachlorobenzene	43	1.0	50.00	0	82.5	35	135	43.71	13.6	20	
Isobutylbenzene	62	1.0	50.00	18.85	84.0	30	148	50.18	9.32	20	
Methylene chloride	30	1.0	50.00	0	58.0	35	135	31.47	6.46	20	8C
Methylcyclohexane	41	1.0	50.00	0	82.5	35	135	43.71	6.46	20	
n-Butylbenzene	43	1.0	50.00	0	86.7	35	138	48.41	12.1	20	
n-Pentylbenzene	40	1.0	50.00	0	79.7	35	136	44.10	10.1	20	
o-Xylene	45	1.0	50.00	0	78.8	35	135	50.20	10.1	20	
sec-Butylbenzene	38	1.0	50.00	0	78.8	35	135	50.20	11.9	20	
Biphenyl	38	1.0	50.00	0	78.8	35	135	50.20	11.9	20	
Isobutylbenzene	45	1.0	50.00	0	88.5	35	138	50.38	11.9	20	
Terphenylbenzene	800	1.0	50.00	737.0	81.3	42	134	83.14	3.73	20	
Toluene	41	1.0	50.00	0	81.3	42	134	44.56	5.27	20	
trans-1,2-Dichlorobenzene	38	1.0	50.00	0	85.2	42	135	43.44	2.09	20	
trans-1,2-Dichloroethane	38	1.0	50.00	0	79.9	37	133	43.37	13.3	20	
Triphenylbenzene	81	1.0	50.00	42.14	77.5	43	140	88.15	8.54	20	
trans-1,2-Dichlorobenzene	83	1.0	50.00	0	105	54	134	0	0	0	
trans-1,2-Dichloroethane	50	1.0	50.00	0	99.8	52	132	0	0	0	
trans-1,2-Dichlorobenzene	51	1.0	50.00	0	103	51	127	0	0	0	

Qualifiers	E	Value above quantification range	H	Holding times for preparation or analysis exceeded	f	Analysis detected below quantification
	LCO	Limit of Detection	LQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
	R	R100 outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed
Qualifiers	E	Value above quantification range	H	Holding times for preparation or analysis exceeded	f	Analysis detected below quantification
	LCO	Limit of Detection	LQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
	R	R100 outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Associated Environmental Svcs., LTD.
Work Order: 0904030
Project: Sutter Avenue, Brooklyn, NY

Sample ID: V941_C04-003594	Sample Type: LCB	Serial ID: M42526	TestCode: F42826_W	Units: µg/L	Prep Date	Run#: 42596				
Client ID: LCBW			TestRef: 99872960		Analyte Date	Swatch: M0308				
			POL	SPK Ret Val	SMRE	Low Limit	High Limit	RPD Ref Val	RPD Limit	Qual
Result						0	162	35	135	
51	1.0	50.00	0							
53	1.0	50.00	0			109	43	148		
43	1.0	50.00	0			85.1	32	148		
28	1.0	50.00	0			57.6	42	136		
46	1.0	50.00	0			91.4	42	136		
47	1.0	50.00	0			93.9	40	150		
50	1.0	50.00	0			100	30	154		
52	1.0	50.00	0			89.6	35	152		
42	1.0	50.00	0			87.4	35	135		
48	1.0	50.00	0			91.4	35	135		
44	1.0	50.00	0			86.5	35	135		
45	1.0	50.00	0			81.3	35	136		
46	1.0	50.00	0			72.5	35	135		
48	1.0	50.00	0			94.2	35	135		
46	1.0	50.00	0			92.6	40	129		
44	1.0	50.00	0			84.1	36	141		
49	1.0	50.00	0			87.0	44	138		
43	1.0	50.00	0			86.2	35	133		
44	1.0	50.00	0			86.8	35	135		
44	1.0	50.00	0			85.1	35	135		
40	1.0	50.00	0			101	35	135		
43	1.0	50.00	0			88.5	35	135		
40	1.0	50.00	0			85.3	35	139		
40	1.0	50.00	0			86.1	35	135		
43	1.0	50.00	0			101	35	135		
45	1.0	50.00	0			96.6	45	144		
48	1.0	50.00	0			92.0	25	135		
43	1.0	50.00	0			86.4	35	135		
52	1.0	50.00	0			105	25	136		

Qualifiers	E	H	I	J
	Value above quantitative range	Holding times for preparation of analysis exceeded	Analysis detected below quantitation	
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND
R	RPD enable accepted recovery limits	S	Spills Recovery outside accepted recovery limits	U
				Indicates the compound was analyzed



**SITE CHARACTERIZATION
REPORT**

**1199 SUTTER AVENUE
BROOKLYN, NEW YORK**

**Site ID # 224141
NYSDEC SPILL NO. 0902686**

Prepared For:

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153-157 Seventh Street
Garden City, New York 11530
&

New York State Department of Environmental Conservation
Bureau of Program Management- Division of Environmental Remediation
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August 19, 2011

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1.0 INTRODUCTION

The Site Characterization Report (SC Report) has been prepared by Associated Environmental Services, Ltd. (AES) for the property located at 1199 Sutter Avenue in Brooklyn, New York (hereinafter referred to as the subject property). The subject property location is depicted on Figure 1. The Site Characterization was conducted to address the requirements by the New York State Department of Environmental Conservation (NYSDEC) under Order on Consent and Administrative Settlement (Consent Order) relating to contaminant impacts from the former dry cleaning operations at the subject property. The Consent Order supplants NYSDEC Spill No. 0902686 previously assigned to the property.

The Site Characterization was conducted in conformance with the approved June 20, 2011 Site Characterization Work Plan (AES) to acquire additional data as recommended by the NYSDEC via the May 6, 2011 electronic mail from NYSDEC Case Manager Michael MacCabe to AES Project Manager Gregory Ernst. The Site Characterization was conducted to complete delineation of soil impacts, determine the current groundwater quality and flow, and evaluate the potential for soil vapor intrusion within the building's basement. The SC Report provides a brief description of the site history, the methods and procedures utilized to collect soil, groundwater, and soil vapor data, and an evaluation of the analytical results to determine the environmental conditions at the subject property.

2.0 SITE BACKGROUND

The following section provides a description of the subject property and summarizes the previous investigations. A site plan of the property is provided on Figure 2.

2.1 Site Description

The subject property is designated as 1199-1221 Sutter Avenue in Brooklyn, New York and bounded by Sutter Avenue to the south, Chestnut Street to the east, residential properties to the north and Crystal Street to the west. The subject property contains a single-story commercial building along the southern portion and an asphalt parking lot covering the northern portion of the subject property.

Catch basins within the parking lot direct runoff into the municipal stormwater drainage system. The building is divided into five separate retail/office units. A former dry cleaner establishment was located within the eastern-most unit, which is currently occupied by a self-service Laundromat. Sanitary waste and waste water from the Laundromat are discharged to the municipal sewerage system located beneath Sutter Avenue. The building is underlain with a basement segmented for each retail/office unit with utilities, storage and service rooms.

The subject property is located within the Pavement & Buildings-Flatbush-Riverhead Series Soil Map Unit, which is described as anthropogenic urban fill overlying glacial outwash deposits and characterized as a sandy loam. The property is generally flat and is fully developed with impermeable surface cover comprised of building, asphalt parking lot and concrete sidewalks.

The site is underlain by the Upper Glacial Aquifer, which is composed of outwash-plain deposits of stratified sand and gravel. The Upper Glacial Aquifer is the only formation considered in this investigation. Groundwater beneath the subject property is encountered approximately 13 feet below grade and is characterized as Class GA indicating it as a potential source of potable water. Based on regional data, groundwater flow is to the south. Groundwater is not utilized as a source of potable water at the subject property.

2.2 Previous Investigations

In January 2009, an initial investigation comprised of a Phase II Environmental Site Assessment (ESA) was conducted by Atlantic Environmental Solutions, Inc. at the subject property to evaluate a recognized environmental condition (REC) associated with the former dry cleaner operation that was located within the eastern-most unit of the building. As part of this investigation, two soil borings were drilled adjacent to the former dry cleaner's unit to collect soil and groundwater samples for laboratory analysis. The results of the analysis detected a concentration of tetrachloroethene (PCE) above NYSDEC cleanup objective in one soil sample, S3, and in both groundwater samples, S2 and S3. Additionally, concentrations of trichloroethene (TCE) were detected in the groundwater samples in exceedance of the applicable NYSDEC guidance.

Based on the results of the initial investigation, AES conducted a supplemental Phase II subsurface investigation in April 2009. The supplemental investigation was conducted to determine the severity of the PCE and TCE contamination and delineate the extent of the impacts in the soil and groundwater underlying the former dry cleaners. A total of eight soil borings were drilled; six borings, B-1 through B-6, were located within the parking lot and sidewalk adjacent to the building and two borings, B-7 and B-8, were located within the basement area of the former dry cleaners.

A contaminant concentration (i.e., in excess of the NYSDEC guidance values) of PCE was detected in the soil sample from boring B-7, however, no other contaminant concentrations of VOCs were detected in the soil samples from the property. The results of the groundwater sample analysis detected concentrations of PCE at borings B-4 through B-8 in excess of the NYSDEC Ambient Water Quality Standards and Guidance Values (Water Quality Values) provided in the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1. Concentrations of TCE were also detected above the NYSDEC Water Quality Values in borings B-6 through B-8. Finally, concentrations of cis-1,2-dichloroethene (c-1,2-DCE), a common byproduct of PCE and TCE degradation, were detected above the NYSDEC Water Quality Values in the samples from B-5 and B-7.

Based on the results of the supplemental subsurface investigation, AES recommended the injection of potassium permanganate into the subsurface to mitigate the concentrations of PCE, TCE and c-1,2-DCE detected in the groundwater. Coupled with the aforementioned proposed injections, the installation of shallow and deep groundwater monitoring wells was recommended to evaluate and monitor the effectiveness of the proposed remedial approach. Prior to initiating the proposed remedial approach, the NYSDEC was notified of the site conditions and Spill No. 0902686 was assigned for the pending remedial action.

Between August 5, 2009 and August 24, 2009, a four percent solution of potassium permanganate was injected at 12 grid points at intervals of 40, 35, 20, 15, and 10 feet below grade within and adjacent to the former dry cleaner facility. Groundwater samples were collected at the time of injection and then subsequently two months following the injections.

The results of the August 2009 initial groundwater sample analysis detected PCE in one deep well, MW-4D, and in three shallow wells, MW-1S, MW-2S, and MW-4S during the August 2009 initial sampling event. Concentrations of acetone and chloroform in exceedance of their respective NYSDEC Water Quality Values were also detected in well MW-4S at this time. The results of the November 2009 performance monitoring samples indicated the concentration of PCE had decreased in MW-1S and was no longer detected in MW-2S. Concentrations of PCE MW-3S and MW-4S were higher than the August 2009 data, but showed significant improvement from the Phase II Subsurface Investigation data. Degradation products including TCE and c-1,2-DCE were also detected in MW-4S. Concentrations of acetone and chloroform were no longer detected in the November 2009 samples. Based on the performance data, AES concluded had been effective, but

that additional sampling data was warranted to further evaluate the success of the injection program and determine if additional injections should be performed.

On February 25, 2010, groundwater samples were collected from the four shallow monitoring wells (MW-1S through MW-4S). Groundwater data indicated the concentrations of VOCs were generally consistent with the November 2009 concentrations, however, the concentrations of VOCs in well MW-1S had increased since the November 2009 sampling, but remained at roughly one half of the levels detected during the Phase II Subsurface Investigation from April 2009. Thus the increase of VOC concentrations in MW-1S since the November 2009 was likely due to rebound from the initial injection of potassium permanganate at the property. Based on the second set of data, AES recommends a second round of potassium permanganate injections be conducted at greater density than the previous injections in order to fully remediate the residual VOC contamination in the groundwater.

The location and designation of the sample points associated with the previous investigations are provided on Figure 2. A summary of the previous investigation and remediation sample data is provided in Appendix A.

3.0 METHODOLOGY

The Site Characterization was performed to further delineate impacted soil beneath the rear parking lot of the Laundromat, assess current groundwater quality and flow, and determine the potential for soil vapor intrusion to adversely impacted indoor air quality in the building in compliance with the NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation. All field activities were recorded on the appropriate field logs as provided in Appendix B.

The soil characterization was performed to quantify soil impacts in the apparent source area within the onsite parking lot where the dry cleaning facility dumpster was formerly located. The groundwater characterization was conducted to determine groundwater flow direction in assessment of potential plume migration and evaluate current groundwater quality at and downgradient of the subject property. Onsite soil vapor/indoor air/outside air testing was conducted beneath the Laundromat to identify the likelihood of vapor intrusion into the building. The following sections describe the procedures and protocols used to conduct the Site Characterization.

3.1 Soil Sampling

Three soil borings, designated B-10 through B-12, were drilled within the rear parking lot behind the Laundromat using Geoprobe direct-push sampling equipment. The location and designation of the soil borings is provided on Figure 2. The soil borings were drilled to approximately 15 feet below grade, and into the water table encountered at approximately 13 feet below grade. Soil samples were collected on a continuous basis throughout the entire depth of the soil boring. A stainless steel hand auger was used to collect soil samples to approximately five feet below grade to assure clearance from potential underground utilities. A dual-tube macro-core apparatus equipped with new acetate liners was then used to collect the soil samples from five feet below grade to the terminal depth of the boring. Soil sample lithology and visual or olfactory indication of contamination (i.e., odor or staining) were noted, and photo-ionization detector (PID) readings were screened in one-foot intervals were measured and recorded on the soil boring logs (Appendix B).

Field observations did not indicate obvious indications of contamination. PID readings ranged from approximately 0.5 to 9 part per million (ppm) in Boring B-10 with the five to six-foot interval, exhibiting the highest reading, submitted for laboratory analysis. In Boring B-11, PID readings ranged from approximately 1.5 to 9.6 ppm with the five to six-foot interval, exhibiting the highest PID reading, submitted for laboratory analysis. In Boring B-12, PID readings ranged from approximately 0.1 to 0.9 ppm with the nine to 10-foot interval, exhibiting the highest PID reading, submitted for analysis.

The selected soil sample interval was placed directly into laboratory-supplied glassware and placed in an ice-filled insulated cooler to maintain a temperature of approximately 4°C pending delivery to the laboratory. The samples were submitted to Alpha Analytical, a New York State Department of

Health (NYSDOH)-Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts, for analysis of Target Compound List (TCL) VOCs using USEPA Method 8260.

3.2 Groundwater Monitoring Wells

One monitoring well, MW-5, was installed along the south-side of Sutter Avenue, downgradient of the subject property, to evaluate possible plume migration, if any. The location of Monitoring Well is shown on Figure 3. Prior to installing the well, the existing monitoring wells at the subject property were surveyed using a laser level to determine on-site groundwater flow to properly locate the well downgradient of the property. The elevations of the top of the existing well casings were surveyed to within 0.01 feet relative to an arbitrary site datum of 20 feet. The measuring point on the top of the well casing were marked using an indelible ink marker, and the depth to water was measured to the nearest 0.01 of a foot using a Solinst electronic oil/water interface probe and the readings subsequently recorded on the field log. The newly installed monitoring well was also surveyed in order to supplement the groundwater flow data from the onsite wells. A summary of the monitoring well elevations and depth to water measurement are provided in Table 1. The locations of the monitoring wells at the subject property are provided on Figure 3.

3.2.1 Monitoring Well Installation

Well MW-5 was constructed of new two-inch diameter, schedule 40 PVC with American Society of Testing Materials (ASTM) F-480 pipe threading and 15 feet of two-inch diameter, 0.020-inch (20-slot) PVC well screen. The well was constructed between 10 to 25 feet below grade (bg) so that the well screen was installed across the top of the water table measured at approximately 13 feet bg, consistent with the on-site shallow monitoring wells.

The well was constructed with Morie No. 1 sand emplaced around the screened zone to approximately two feet above the top of the well screen. A two-foot thick bentonite seal was then emplaced above the sand pack and the remaining annulus was backfilled with shallow soil. The well was completed at grade with a flush-mount steel curb box and locking cap, and the sidewalk was repaired as required by New York City regulations. The well construction log is provided in Appendix B.

3.2.2 Well Development

The newly-installed monitoring well was developed using a disposable polyethylene bailer. The bailer will be repeatedly lowered into the well and briefly actuated within well to surge and flush sediments from the well. Turbidity measurements were periodically taken while developing the well to assure sediment-free water would be provided for sampling. At the completion of development, turbidity was measured at 15.4 Nephelometric Turbidity Units (NTUs). Approximately 20 gallons of water were removed during development and placed in a 55-gallon drum pending off site disposal.

3.2.3 Groundwater Sampling

This section describes the types of equipment and procedures that used to obtain groundwater samples from the existing and newly-installed monitoring wells installed at the subject property. The groundwater sampling was performed in accordance with the United States Environmental Protection Agency (USEPA) guidance document EPA/540/S-95/504.

Prior to sampling, a round of water levels were measured in the wells using an electronic water-level indicator and recorded on the field log. The water-level measurements are provided in Table 1. To avoid cross contamination between wells, the immersed portion of the water-level indicator was cleaned between measurements with a detergent solution, followed by a potable water rinse.

Prior to sample collection, the wells were purged using the low-flow sampling technique. A Geoprobe Model MBP470 bladder pump and dedicated polyethylene tubing was used to purge the wells at a pumping rate no greater than one-half liter per minute (LPM). While purging the well, field parameters including pH, temperature, specific conductivity, dissolved oxygen, and oxidation/reduction potential (ORP) were measured at five-minute intervals within a flow-through cell using a field-calibrated Horiba U-22 portable meter. The wells were considered to be purged when field parameters of the discharge water stabilized within consecutive readings within 10 percent. A summary of field parameter measurements collected during purging of the monitoring wells is provided in Table 2. The purged water was containerized in a 55-gallon drum pending proper off-site disposal.

Once purged, the pumping rate was slowed to approximately 0.1 LPM, water from the pump discharge was placed directly into laboratory-supplied sample bottles using care not aerate the sample. The samples were then placed in an ice-filled insulated cooler to maintain a temperature of approximately 4° Celsius pending delivery to the laboratory. The samples were submitted to Alpha Analytical for analysis of TCL VOCs using USEPA Method 8260.

3.3 Sub-Slab Soil Vapor/Ambient Air Sampling

One sub-slab soil vapor sample, SSV-1, was collected beneath the poured concrete slab within the basement of the Laundromat on the subject property in compliance with the New York Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* issued in October of 2006 (hereinafter, the NYSDOH Guidance Document). The location of the sub-slab soil vapor sample is provided on Figure 2.

On July 19, 2011, sub-slab soil vapor sampling point SSV-1 was installed using hand-held power tools in the basement area of the laundromat. The soil vapor point consisted of one-quarter inch polyethylene tubing set approximately two inches beneath the bottom of the concrete floor slab. The annular space surrounding the end of the tubing was filled with washed #1 crushed stone as a filter

pack. Bentonite clay was then installed atop of the filter pack and hydrated to prevent atmospheric air infiltration.

As a quality assurance/quality control (QA/QC) measure, a one-gallon container was sealed with bentonite surrounding the sampling tube, and helium gas was introduced into the container as a tracer gas. A helium detector was then connected to the sub-slab sampling tubing, which was run through the sealed container, to check for possible leaks in the floor seal. Helium was not detected leaking into the sub-slab vapor point indicating the floor seal was sufficient.

On July 20, 2011, the sub-slab soil vapor sampling point was purged of three tubing volumes at a flow rate no greater than 0.2 liters per minute (L/m) using a PID. The initial PID reading during the sampling point purge was recorded to be approximately 760 PPM. Once purged, a laboratory-supplied six-liter vacuum Summa canister was connected to the sub-slab sample point and the sample collected over eight hours using a flow regulator calibrated by the laboratory for a flow rate of approximately 0.0125 L/m. The sampling tubing was connected to the Summa canister using the appropriate air-tight compression fitting.

Concurrently, indoor air quality and outdoor air quality samples were collected over the same duration as the sub-slab soil vapor sample. The indoor/outdoor air samples were collected using laboratory-supplied six-liter Summa canisters set atop three-foot tall stand to represent the air quality within the typical breathing zone to establish indoor and outdoor ambient air conditions at the subject property.

An inspection of the basement area was conducted to record chemical use within the sample space in the building. A list of the products observed within the basement of the laundromat is provided in Appendix B. A comparison of chemical storage in the laundromat basement to the indoor air analytical data was conducted to determine if onsite chemical use has deleteriously impacted the indoor air quality of the building. The comparison is discussed in Section 4, below.

3.4 Waste Disposal

The downgradient monitoring well was installed using Geoprobe direct-push equipment, thus no drill cuttings were generated during drilling activities. Groundwater from well development and sampling activities was containerized into US DOT-approved 55-gallon drums, labeled and stored at the rear of the laundromat. Soiled personal protective equipment, disposable sampling equipment, and supplies were placed into a plastic bag and disposed of as trash. The disposal records for the drum of impacted groundwater staged at the subject property will be provided as available.

3.5 Quality Assurance

During the groundwater sampling activities for the Site Characterization, the Uriba U-22 field meter could not be calibrated for specific conductivity. The meter was properly calibrated for the remaining parameters, therefore field personnel continued with field sampling activities. No other issues were noted as the calibration and operation of the field instruments were within manufacturer's recommendations during the Site Characterization.

3.5.1 Decontamination Procedures

All non-disposable sampling equipment was decontaminated before and after each use. The equipment was washed with a detergent and water solution to remove all residual materials, rinsed with potable water, and then allowed to air dry. All disposable materials, such as the groundwater and soil vapor sampling tubing, was used new and then discarded after a single use.

3.6 Community Air Monitoring Program

The Community Air Monitoring Plan (CAMP) as established in the Work Plan was conducted during all intrusive field work. Continuous monitoring of VOCs was conducted using a MiniRAE 2000 PID at the appropriate upwind and downwind locations. Based on the site setting and the proposed scope of work, AES did not perform particulate monitoring during the Site Characterization. The PIDs will be calibrated at least once daily in compliance with the manufacturer's specifications. At no time during the Site Characterization did the downwind VOC concentrations exceed the established action level of five ppm above background.

4.0 RESULTS

A copy of the laboratory report for the soil, groundwater and vapor/air samples is provided in Appendix C. The soil and groundwater samples were submitted for analysis of TCL VOCs using USEPA Method 8260. The analytical results of the soil samples were compared to the 6NYCRR Part 375 Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Table 375-6.8(b) Restricted Use Soil Cleanup Objectives for Commercial applications (RCUSCOs). The analytical results of the groundwater samples were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (Water Quality Values).

Soil vapor, indoor air and outdoor ambient air samples were submitted for analysis of VOCs using USEPA Method TO-15. The analytical results for the vapor/air samples were compared to the NYSDOH Guidance Document decision matrices provided therein and the USEPA OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathways from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) dated November 2002.

4.1 Soil Data

A summary of VOC concentrations detected in the soil samples is provided in Table 3. Concentrations of tetrachloroethene (PCE) were detected in the three soil boring samples, with one concentration of 1.6 milligrams per kilogram (mg/kg) in B-11 exceeding the UUSCO of 1.3 mg/kg. The concentrations of PCE in B-10 and B-12 were detected well below the UUSCO, however, concentrations of acetone, at 0.17 mg/kg in B-10 and 0.21 mg/kg in B-12, were detected in exceedance of the UUSCO of 0.05 mg/kg. No other concentrations of VOCs were detected in the soil samples above the respective UUSCOs. No concentrations of VOCs detected in the soil samples were above the respective RCUSCOs.

4.2 Groundwater Data

Groundwater elevation data indicates groundwater flow is to the south, consistent with regional groundwater conditions. The groundwater beneath the subject property is observed at a hydraulic gradient of approximately 0.0033 feet per foot.

A summary of VOC concentrations detected in the groundwater monitoring wells at the subject property are provided in Table 4. Concentrations of chloroform and PCE were detected in the five water table wells, MW-1S, MW-2S, MW-3S, MW-4 and MW-5. Concentrations of chloroform exceeded the Water Quality Value in the five wells, and ranged from 13 micrograms per liter (ug/L) in MW-2S to 30 ug/L in MW-1S. Concentrations of PCE in the water table wells ranged from 0.73 ug/L in the upgradient well MW-3S to 470 ug/L in well MW-4 located in the basement beneath the laundromat. The concentrations of PCE detected in wells, MW-1S, MW-2S, MW-4 and MW-5 were

in exceedance of the NYSDEC Water Quality Value at 5 ug/L. Concentrations of chloroform were detected in wells MW-1D, MW-2D and MW-3D but at levels well below the Water Quality Values. Concentrations of PCE were also detected in wells MW-1D at 6.8 ug/L, MW-2D at 9.6 ug/L, and MW-3D at 20 ug/L, which are in exceedance of the Water Quality Value.

Additionally, concentrations of trichloroethene (TCE) and cis-1,2-dichloroethene (c-1,2-DCE) were detected in four water table wells, MW-1S, MW-2S, MW-4, and MW-5, of which the concentrations of TCE in MW-4 and MW-5 and of c-1,2-DCE in MW-5 were above the Water Quality Values. Concentrations of trans-1,2-dichloroethene (t-1,2-DCE) were detected in samples MW-2S, MW-3S, MW-4, and MW-5, but at levels well below the Water Quality Value. Concentrations of bromodichloromethane were detected in MW-1S, MW-2S and MW-3S, and vinyl chloride was detected in MW-5, but at levels below the respective Water Quality Values. Concentrations of TCE, C-1,2-DCE, and T-1,2-DCE were detected in the samples from MW-1D, MW-2D, and MW-3D, but none were in exceedance of the Water Quality Values in these wells.

4.3 Soil Vapor/Indoor & Outdoor Air Data

A summary of the sub-slab vapor and indoor/outdoor air sample data is provided in Table 5. The Indoor Air Quality Questionnaire and Building Inventory completed for the subject property is provided in Appendix C. Analysis of the sub-slab vapor sample SS-1 detected concentrations of 13 VOCs beneath the building. Of concern from the former use of the property as a dry cleaner, PCE was detected at 428,000 micrograms per cubic meter (ug/m^3), TCE was detected at $9,730 \text{ ug}/\text{m}^3$, c-1,2-DCE was detected at $3,830 \text{ ug}/\text{m}^3$, 1,1,1-trichloroethane (1,1,1-TCA) was detected at $4,020 \text{ ug}/\text{m}^3$, 1,2-dichloroethane (1,2-DCA) was detected at $538 \text{ ug}/\text{m}^3$, 1,1-dichloroethane (1,1-DCA) was detected at $380 \text{ ug}/\text{m}^3$, t-1,2-DCE was detected at $390 \text{ ug}/\text{m}^3$, and vinyl chloride (VC) was detected at $795 \text{ ug}/\text{m}^3$. Additionally, concentrations of Freon 113 at $3,720 \text{ ug}/\text{m}^3$, chloroform at $444 \text{ ug}/\text{m}^3$, toluene at $757 \text{ ug}/\text{m}^3$, ethyl benzene at $330 \text{ ug}/\text{m}^3$, and styrene at $262 \text{ ug}/\text{m}^3$ were detected in sample SS-1. The concentrations of PCE, TCE, 1,1,1-TCA, 1,2-DCA, c-1,2-DCE, chloroform, and VC were in exceedance of the USEPA Subsurface Vapor Intrusion Guidance Target Shallow Soil Gas Concentration (TSSGC) values.

The indoor air sample, IA-1, detected 27 VOCs within the basement. Of the VOCs detected in the sub-slab vapor sample, chloroform at $38.4 \text{ ug}/\text{m}^3$, TCE at $1.27 \text{ ug}/\text{m}^3$, toluene at $11.4 \text{ ug}/\text{m}^3$, PCE at $68.5 \text{ ug}/\text{m}^3$, ethyl benzene at $1.7 \text{ ug}/\text{m}^3$, and styrene at $3.62 \text{ ug}/\text{m}^3$ were also detected in sample IA-1. The remaining VOCs detected in IA-1 included propylene, dichlorodifluoromethane, chloromethane, ethanol, trichlorofluoromethane, isopropanol, 2-butanone, ethyl acetate, tetrahydrofuran, n-hexane, benzene, cyclohexane, bromodichloromethane, 2,2,4-trimethylpentane, heptane, xylenes, 4-ethyltoluene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and 1,4-dichlorobenzene. Concentrations of these remaining VOCs in sample IA-1 ranged from $1.9 \text{ ug}/\text{m}^3$ of 4-ethyltoluene to $920 \text{ ug}/\text{m}^3$ of ethanol, but with typical concentrations of less than $10 \text{ ug}/\text{m}^3$.

The outdoor air sample, OA-1, detected nine VOCs in the ambient air. The VOCs detected in ambient air included dichlorodifluoromethane, chloromethane, ethanol, acetone, trichlorofluoromethane, isopropanol, 2-butanone, benzene, and toluene. Concentrations of VOCs detected in the ambient air ranged from 0.831 ug/m³ of benzene to 14.9 ug/m³ of ethanol.

4.4 Data Usability Summary Report

The analytical results were provided as a New York Analytical Services Protocol (ASP) Category B data packages. The laboratory data packages were evaluated by MJW Corporation to determine if the data is appropriate and accurate for the evaluation of the site conditions. A Data Usability Summary Report as described in Appendix 2B of DER-10 has been prepared in documentation for the verification of the data. The DUSR is provided in Appendix D.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Soil Quality

The additional soil samples collected in the rear parking lot area were conducted to delineate the PCE impacts detected in boring S-3 during the January 6, 2009 investigation adjacent to the stormwater catch basin in the rear parking lot behind the Laundromat (see Appendix A). During the Site Characterization, field screening of the soil samples indicated the most likely impacted depth interval within each soil boring, and that depth interval was submitted for laboratory analysis of VOCs. The analytical results detected concentrations of PCE in the three soil samples with the concentration in B-11 (5-6 feet bg) slightly above the 6NYCRR Part 375 UUSCO. The results of the Site Characterization soil boring samples indicate the PCE impacts delineated to be primarily at the boring S-3 location. AES recommends the PCE impacts within the subsurface soil be addressed in-situ in concert with sub-slab vapor mitigation as described below.

Concentrations of acetone in contravention of the UUSCO were detected in samples B-10 (5-6 feet bg) and B-12 (9-10 feet bg). Acetone is not typically associated with former dry cleaning operations and has not previously been detected at the subject property in soil, groundwater, or vapor samples. Acetone is a common laboratory artifact and it is believed these concentrations are remnant of laboratory contamination. No further action is recommended regarding the occurrence of acetone in the soil samples.

5.2 Groundwater Quality

Groundwater elevation data collected during the Site Characterization has identified groundwater flow beneath the subject property is to the south, consistent with regional groundwater flow. Groundwater flow was measured at a gradient of 0.0033 feet per foot. Based on the groundwater flow, well MW-5 was installed along the southern side of Sutter Avenue directly downgradient of the subject property.

Groundwater sampling was conducted in the seven existing and one newly-installed well MW-5 using low-flow purge and sampling procedures to assess current conditions at the property. Specific conductivity was not able to be monitored during purge activities, however, the measurements of temperature, pH, DO, ORP, and turbidity were determined to have stabilized prior to sample collection. Samples were collected directly from the bladder pump discharge operating at approximately 0.1 LPM, properly preserved, and submitted to Alpha Analytical for analysis.

Groundwater data detected PCE and its associated degradation byproducts, TCE, c-1,2-DCE, and t-1,2-DCE in the groundwater beneath the subject property with the highest concentrations of VOCs detected in well MW-4 located within the basement of the Laundromat. The results of the Site Characterization indicate that groundwater quality has remained consistent with the prior water

quality data collected at the property, and in general, the groundwater plume has been delineated to the upgradient and side-gradient boundaries. However, concentrations of PCE, TCE and c-1,2-DCE were detected in exceedance of the Water Quality Values in the downgradient well MW-5. Concentrations of PCE were also detected in the deeper wells, MW-1D, MW-2D, and MW-3D but at levels only slightly above the Water Quality Values indicating the groundwater impacts are limited to the shallow groundwater. The results of the Site Characterization indicate the groundwater plume is stagnant beneath the subject property, but the downgradient limit of the plume extends southerly beyond Sutter Avenue.

New York City Housing Authority (NYCHA) property is located to the south of Sutter Avenue and extends westward to Fountain Avenue, southward to Linden Boulevard, and eastward to Euclid Avenue (see Figure 1). AES recommends the installation of two additional monitoring wells in the southern sidewalk of Sutter Avenue to delineate the lateral boundaries of the downgradient plume. Additional downgradient wells may be installed to the south of Sutter, but would be dependent on approved access by the NYCHA. Additional wells to the south of the NYCHA property would be required to be approximately 1,500 feet away from the subject property and thus would not provide useful data attributable to the subject property.

AES also recommends a second round of potassium permanganate injections be conducted within the subject property. Based on the current VOC concentrations and manufacturer's recommendations, approximately 1,200 pounds of potassium permanganate will be injected into 16 points located in four rows of four points drilled on 10-foot centers. This amount of potassium permanganate is roughly double the amount used in the previous injections. A higher dose of potassium permanganate will be injected within the center portion of the rows where groundwater concentrations are greatest.

Approximately two months following the completion of the potassium permanganate injections, AES will conduct a post-inject sampling of the groundwater monitoring wells at the property. Groundwater samples will be collected using the established low-flow protocols for the property and submit the samples for laboratory analysis of TCL VOCs using USEPA Method 8260.

5.3 Soil Vapor Intrusion

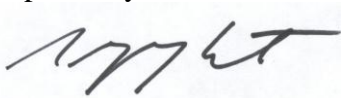
Of the compounds identified in the NYSDOH Guidance, the concentrations of VOCs detected in the sub-slab soil vapor will necessitate mitigation as indicated by the decision matrices criteria regardless of the indoor air quality. Concentrations of PCE, TCE, and chloroform, reported in the sub-slab vapor, were also detected in the indoor air sample, however, no concentrations of 1,1,1-TCA, 1,2-DCA, c-1,2-DCE, and VC were reported in the indoor air sample. Thus the data is inconclusive to indicate if vapor intrusion is occurring within the Laundromat basement area. Concentrations of dichlorodifluoromethane and chloromethane were detected at comparable levels within the indoor and outdoor air samples indicating these compounds are representative of ambient

air quality. With the exception of the above, the remaining VOCs detected in the indoor air sample were not detected in the sub-slab vapor or outdoor ambient air samples and are likely from the chemical storage and utilization within the Laundromat.

Based on the sub-slab vapor data, AES recommends an additional sub-slab vapor and indoor air samples be collected beneath the adjacent grocery store to determine the potential risk of vapor intrusion into this portion of the property. As previously conducted, sub-slab vapor and indoor air samples will be collected over eight hours into laboratory-supplied Summa canisters, and using the established QA/QC measures. Upon receipt of the laboratory data, a supplemental investigation report will be prepared and submitted to the NYSDEC.

Further, AES recommends the installation and operation of a sub-slab depressurization system beneath the Laundromat portion of the building. The system will be designed and installed in conformance with the USEPA Radon Prevention in the Design and Construction of Schools and Other Large Buildings, June 1994. Prior to installation, a pilot test will be conducted to assure proper coverage and design of the sub-slab depressurization system. Should the additional sub-slab soil vapor testing indicate mitigation is needed beneath the grocery store, an additional system will be installed to address that area.

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Table 1
Water-Level Measurements
1199 Sutter Avenue, Brooklyn, New York
NYSDEC Site ID # 224141

Monitoring Well	Date	Measuring Point Elevation (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-1S	10/14/2009	15.79	12.50	3.29
	2/25/2010		13.15	2.64
	7/19/2011		12.67	3.12
MW-1D	10/14/2009	15.90	12.58	3.32
	7/19/2011		12.74	3.16
MW-2S	10/14/2009	16.33	13.03	3.30
	2/25/2010		12.52	3.81
	7/19/2011		13.19	3.14
MW-2D	10/14/2009	16.44	13.12	3.32
	7/19/2011		13.29	3.15
MW-3S	10/14/2009	16.40	12.94	3.46
	2/25/2010		13.46	2.94
	7/19/2011		13.10	3.30
MW-3D	10/14/2009	16.78	13.36	3.42
	7/19/2011		13.52	3.26
MW-4S	10/14/2009	NA	5.08	NA
	2/25/2010		5.69	NA
	7/19/2011		5.85	NA
MW-5	7/19/2011	16.13	13.15	2.98



Table 2.
Purge Parameter Summary
1199 Sutter Avenue
Brooklyn, New York
NYSDEC Site ID #224141

Monitoring Well	Date	Time	pH (units)	Specific Conductivity (mS/cm)	Temp (degrees C)	Dissolved Oxygen (mg/L)	Redox (mV)
MW-3S	7/20/11	8:06	3.85	0.000	27.71	7.93	241
		8:11	4.05	0.000	24.36	8.94	228
		8:16	4.18	0.000	23.52	8.96	217
		8:21	4.30	0.000	23.13	8.91	202
		8:26	4.32	0.000	22.38	9.12	195
		8:31	4.36	0.000	22.34	9.13	197
MW-5	7/20/11	9:00	3.88	0.001	26.48	8.80	235
		9:05	3.98	0.001	24.66	9.33	230
		9:10	4.15	0.001	21.92	9.77	222
		9:15	4.25	0.000	20.54	9.80	217
		9:20	4.27	0.000	19.83	9.68	213
		9:25	4.30	0.000	19.45	9.61	209
		9:30	4.36	0.000	19.38	9.52	205
MW-2S	7/20/11	9:57	3.95	0.000	24.44	8.87	225
		10:02	3.98	0.000	23.94	9.10	226
		10:07	4.02	0.000	23.20	9.38	220
		10:12	4.15	0.000	22.58	9.52	211
		10:17	4.29	0.000	22.37	9.52	197
		10:22	4.49	0.000	22.04	9.52	179
		10:27	4.48	0.000	21.77	9.53	179
MW-1S	7/20/11	10:52	4.09	0.000	26.83	8.89	209
		10:57	4.18	0.000	26.02	9.13	202
		11:02	4.35	0.000	24.12	9.57	188
		11:07	4.60	0.000	23.35	9.67	169
		11:12	4.88	0.000	22.50	9.73	144
		11:17	4.78	0.000	22.33	9.59	152
		11:22	4.86	0.000	22.29	9.62	147

mS/cm Millisiemen per centimeter
C Celsius
mg/L Milligrams per liter
mV Millivolts
NTU Nephelometric Turbidity Units



Table 2.
Purge Parameter Summary
1199 Sutter Avenue
Brooklyn, New York
NYSDEC Site ID #224141

Monitoring Well	Date	Time	pH (units)	Specific Conductivity (mS/cm)	Temp (degrees C)	Dissolved Oxygen (mg/L)	Redox (mV)
MW-4	7/20/11	12:17	4.19	0.000	27.38	8.73	209
		12:22	4.39	0.000	25.78	8.95	201
		12:27	4.75	0.000	24.41	9.09	180
		12:32	4.93	0.000	22.80	9.16	160
		12:37	4.91	0.000	21.95	9.11	160
		12:42	4.85	0.000	21.40	8.99	162
		12:47	4.83	0.000	21.36	8.99	162
MW-3D	7/20/11	1:42	4.15	0.000	27.29	8.27	202
		1:47	4.24	0.000	26.46	8.56	196
		1:52	4.60	0.000	24.15	9.07	171
		1:57	4.90	0.000	23.40	9.22	149
		2:02	4.90	0.000	22.98	9.22	151
		2:07	4.87	0.000	23.08	9.20	152
MW-2D	7/20/11	2:30	4.19	0.000	27.38	8.73	209
		2:35	4.39	0.000	25.78	8.95	201
		2:40	4.75	0.000	24.41	9.09	180
		2:45	4.93	0.000	22.80	9.16	160
		2:50	4.91	0.000	21.95	9.11	160
		2:55	4.85	0.000	21.40	8.99	162
MW-1D	7/20/11	3:51	4.51	0.000	29.27	8.40	188
		3:56	4.65	0.000	27.33	8.87	181
		4:01	5.22	0.000	25.00	9.25	134
		4:06	5.12	0.000	23.35	9.30	138
		4:11	5.06	0.000	22.88	9.20	143
		4:16	4.97	0.000	22.76	9.05	150
		4:21	4.93	0.000	22.68	8.96	152

mS/cm Millisiemen per centimeter
C Celsius
mg/L Milligrams per liter
mV Millivolts
NTU Nephelometric Turbidity Units



Table 3
Summary of VOC Concentrations in Soil Samples
1199 Sutter Avenue, Brooklyn, New York
NYSDEC Site ID #224141

	Sample Location:		B-10	B-11	B-12
	Sample Depth:		5-6 ft. bg	5-6 ft. bg	9-10 ft. bg
	Sampling Date:		7/19/11	7/19/11	7/19/11
Parameters:	Part 375	Part 375			
	UUSCOs	RCUSCOs			
Tetrachloroethene	1.30	150	0.68	1.6	0.56
cis-1,2-Dichloroethene	0.250	500	0.048	0.0038	0.052
Methylene chloride	0.050	500	0.011 J	0.01 J	0.011 J
Trichloroethene	0.470	200	0.033	0.024	0.034
Toluene	0.700	500	0.001 J	--	--
Ethyl benzene	1.000	390	0.011	0.0028	0.011
trans-1,2-Dichloroethene	0.190	500	0.020	--	0.022
m/p-Xylene	0.26*	500*	0.035	0.0079	0.036
o-Xylene	0.26*	500*	0.0092	0.002 J	0.0094
Acetone	0.050	500	0.17	0.023 J	0.21
2-Butanone	0.120	500	0.086	--	0.11

Notes:

Concentrations in milligrams per kilogram (mg/kg)

-- - Not Detected

UUSCO - Unrestricted Use Soil Cleanup Objective

RCUSCO - Restricted Commercial Use Soil Cleanup Objective

* - Objective is for mixed isomers.

Bold values indicate exceedance of the UUSCO

Outlined values indicate exceedance of RCUSCO

bg - below grade



Table 4.

Summary of Groundwater Sample Data
1199 Sutter Avenue
Brooklyn, New York
NYSDEC Site No. #224141

Sample Designation: Parameters	Corresponding Phase II Data B-6 Date: 4/1/09 TOGS Value	Monitoring Well									Monitoring Well								
		MW-1S					MW-1D				MW-2S					MW-2D			
		8/27/09	11/2/09	2/25/10	7/20/11	8/27/09	11/2/09	7/20/11	4/1/09	8/27/09	11/2/09	2/25/10	7/20/11	8/27/09	11/2/09	7/20/11			
2-Butanone	50	<3.0	<10	<10	<10	<10	<10	<10	<5	<3.0	<10	<10	<10	<5	<10	<10	<5		
Acetone	50	<2.0	<50	<50	<50	<10	<50	<50	<5	<2.0	<50	<50	<50	<5	<50	<50	<5		
Chloroform	7	<1.0	<5	<5	<5	30	<5	<5	0.9	<1.0	<5	<5	<5	13	<5	<5	1.1		
cis-1,2-Dichloroethene	5	4.6	<5	<5	5.82	0.71 J	<5	<5	<0.5	6.8	<5	<5	<5	0.20 J	<5	<5	<0.5		
Tetrachloroethene	5	380	98.3	48.2	172	84	5	<5	6.8	93	18.9	<5	<5	10	<5	<5	9.6		
Bromodichloromethane	50	<1.0	<5	<5	<5	1.2	<5	<5	<0.5	<1.0	<5	<5	<5	0.63	<5	<5	<0.5		
Vinyl Chloride	2	<1.0	<5	<5	<5	<2.0	<5	<5	<1.0	<1.0	<5	<5	<5	<1.0	<5	<5	<1.0		
trans-1,2-Dichloroethene	5	<1.0	<5	<5	<5	<1.5	<5	<5	0.21 J	<1.0	<5	<5	<5	0.46 J	<5	<5	0.40 J		
Trichloroethene	5	14	<5	<5	8.37	3.2	<5	<5	1.7	2.7	<5	<5	<5	0.36 J	<5	<5	0.95		

Notes:

All data is in micrograms per liter (ug/L)

TOGS - NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values

NA - Not analyzed/not available

Bold indicate an exceedance of the applicable regulatory guidance value.



Table 4.

Summary of Groundwater Sample Data
1199 Sutter Avenue
Brooklyn, New York
NYSDEC Site No. #224141

Parameters	Sample Designation: Date: TOGS Value	Corresponding Phase II Monitoring Well Data									Corresponding Phase II Monitoring Well Data								
		S2					MW-3S				MW-3D				B-7				
		1/6/09	8/27/09	11/2/09	2/25/10	7/20/11	8/27/09	11/2/09	7/20/11	8/27/09	11/2/09	7/20/11	8/27/09	11/2/09	7/20/11	8/27/09	11/2/09	7/20/11	8/27/09
2-Butanone	50	<0.21	<10	<10	<10	<5	<10	<10	<5	<3.0	24.4	<10	<10	<12	<10	<10	<12	<10	<12
Acetone	50	10.3	<50	<50	<50	<5	<50	<50	<5	<2.0	577	<50	<50	<12	<50	<50	<12	<50	<12
Chloroform	7	<0.14	<5	<5	<5	14	<5	<5	1.8	<1.0	97.7	<5	<5	15	<5	<5	29	<5	<12
cis-1,2-Dichloroethene	5	NA	<5	<5	<5	<0.5	<5	<5	0.34 J	81	<5	16.9	<5	4.3	<5	<5	9.8	<5	<12
Tetrachloroethene	5	187	<5	14.9	<5	0.73	<5	<5	20	610	51	359	348	470	23.1	<5	98	<5	<12
Bromodichloromethane	50	<0.14	<5	<5	<5	1.1	<5	<5	<0.5	<1.0	<5	<5	<5	<1.2	<5	<5	<1.2	<5	<12
Vinyl Chloride	2	<0.14	<5	<5	<5	<1.0	<5	<5	<1.0	<1.0	<5	<5	<5	<2.5	<5	<5	0.70 J	<5	<12
trans-1,2-Dichloroethene	5	<0.14	<5	<5	<5	0.65 J	<5	<5	0.51 J	<1.0	<5	<5	<5	0.67 J	<5	<5	0.60 J	<5	<12
Trichloroethene	5	1.5	<5	<5	<5	<0.5	<5	<5	1.1	42	<5	20.4	11.9	14	<5	<5	5.2	<5	<12

Notes:

All data is in micrograms per liter (ug/L)

TOGS - NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values

NA - Not analyzed/not available

Bold indicate an exceedance of the applicable regulatory guidance value.



Table 5
Sub-Slab Soil Vapor/Indoor Outdoor Air Data Summary
1199 Sutter Avenue, Brooklyn, New York
NYSDEC Site #224141

		Sample Location:	SS-1	IA-1	OA-1
		Sampling Date:	7/20/11	7/20/11	7/20/11
Parameter:	USEPA TSSGC				
Propylene	NA	--	1.91	--	
Dichlorodifluoromethane	2,000	--	3.81	2.38	
Chloromethane	NA	--	3.45	1.2	
Vinyl Chloride	280	795	--	--	
Ethanol	NA	--	920	14.9	
Acetone	3,500	--	--	6.44	
Trichlorofluoromethane	7,000	--	27.8	1.4	
Isopropanol	NA	--	61.4	1.81	
Freon 113	NA	3,720	--	--	
trans-1,2-Dichloroethene	NA	390	--	--	
1,1-Dichloroethane	5,000	380	--	--	
2-Butanone	10,000	--	16.5	2.13	
cis-1,2-Dichloroethene	350	3,830	--	--	
Ethyl Acetate	32,000	--	8.11	--	
Chloroform	110	444	38.4	--	
Tetrahydrofuran	NA	--	17.5	--	
1,2-Dichloroethane	94	538	--	--	
n-Hexane	2,000	--	7.79	--	
1,1,1-Trichloroethane	22,000	4,020	--	--	
Benzene	310	--	3.77	0.831	
Cyclohexane	NA	--	2.11	--	
Bromodichloromethane	140	--	1.67	--	
Trichloroethene	22	9,730	1.27	--	
2,2,4-Trimethylpentane	NA	--	1.63	--	
Heptane	NA	--	5.04	--	
Toluene	4,000	757	11.4	1.96	
Tetrachloroethene	810	428,000	68.5	--	
Ethylbenzene	2,200	330	1.7	--	
p+m Xylenes	70,000	--	6.34	--	
Styrene	10,000	262	3.62	--	
o Xylene	70,000	--	2.96	--	
4-Ethyltoluene	NA	--	1.9	--	
1,3,5-Trimethylbenzene	60	--	2.9	--	
1,2,4-trimethylbenzene	60	--	8.65	--	
1,4-Dichlorobenzene	8,000	--	2.84	--	

Notes:

All concentrations provided in micrograms per cubic meter (ug/m³)

-- Not Detected

NA - Not Applicable/Not Available

TSSGC - Target Shallow Soil Gas Concentration

Bold and outlined values indicate exceedance of the TSSGC.



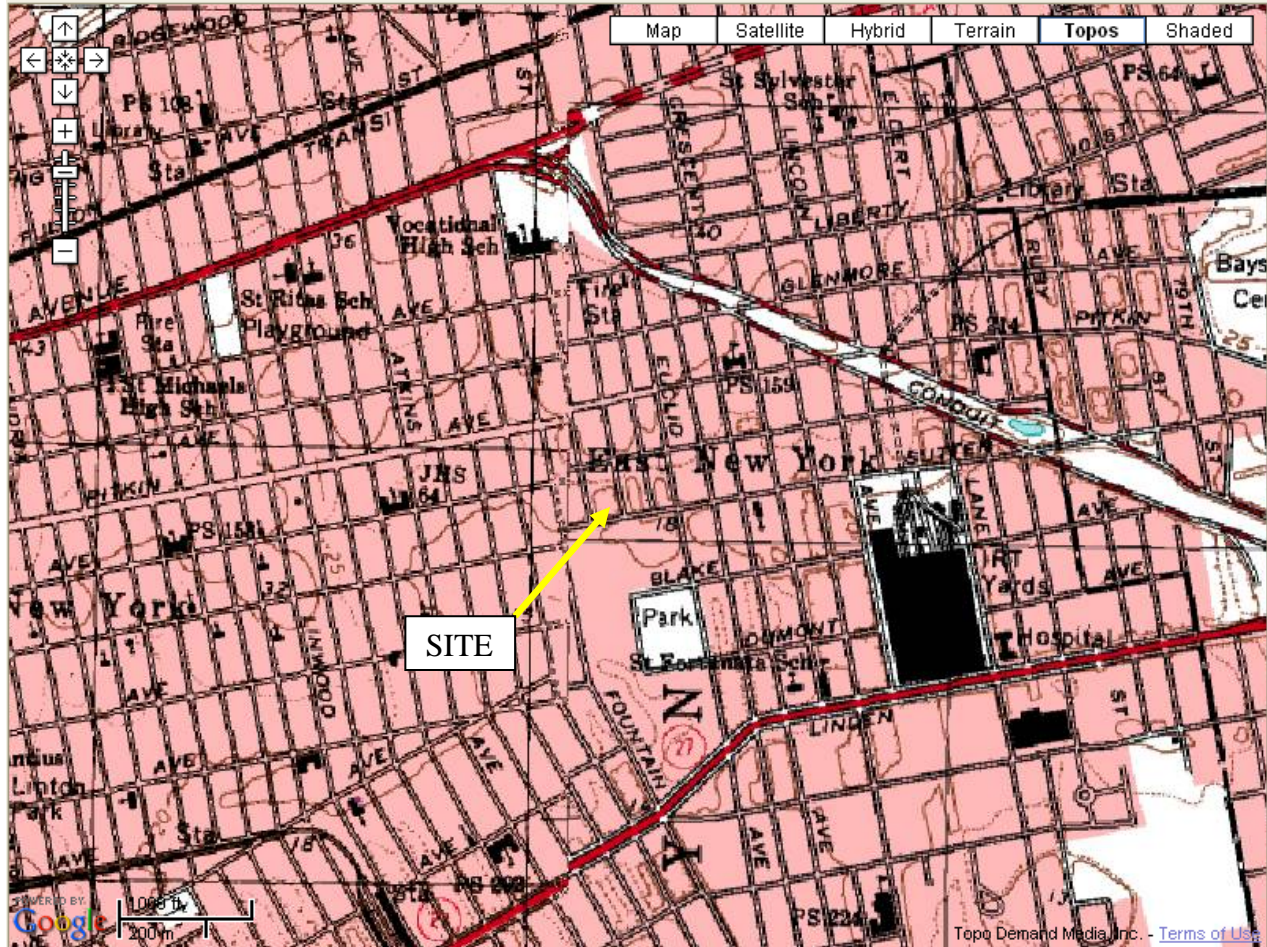




FIGURE 1.0 SITE LOCATION

1199-1221 SUTTER AVENUE
BROOKLYN, NEW YORK


Legend



MW-1
Monitoring Well Location
and Designation

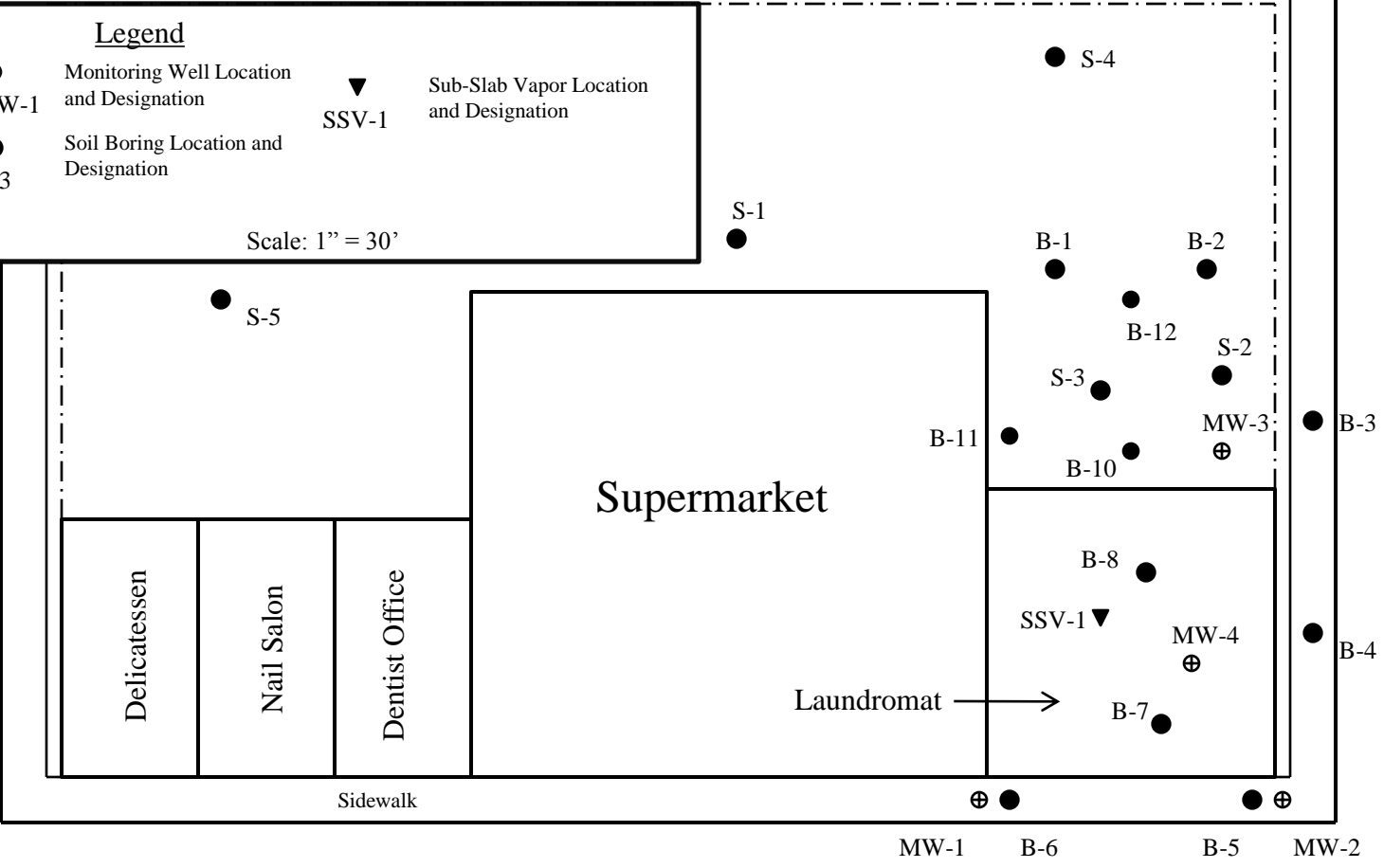


B-3
Soil Boring Location
and Designation

 SSV-1
Sub-Slab Vapor Location
and Designation

Scale: 1" = 30'

Crystal Street



Chestnut Street

Sutter Avenue



**Associated
Environmental
Services, Ltd.**

1199-1221 Sutter Avenue
Brooklyn, New York

**Figure 2
Site Plan**



Legend

⊕ Monitoring Well Location and Designation

MW-1

3.10 Lines of Equal Groundwater Elevation

Scale: 1" = 30'

Crystal Street

Delicatessen

Nail Salon

Dentist Office

Sidewalk

Supermarket

Laundromat

MW-1S

MW-1D

MW-3D

MW-3S

3.30

MW-4

NA

3.12

⊕ ⊕

3.14

⊕ ⊕

MW-2S

MW-2D

3.10

3.00

Sidewalk

MW-5 ● 2.98

Chestnut Street

Sutter Avenue



Associated
Environmental
Services, Ltd.

1199-1221 Sutter Avenue
Brooklyn, New York

Figure 3
Groundwater
Flow



APPENDIX A
PREVIOUS DATA

Table A-1
Summary of Previous Soil Sample Data
1199 Sutter Avenue, Brooklyn, New York
NYSDEC Site ID #224141

	Sample Location:		S1	S2	S3	S3D	S4	S5	B-7	B-8
	Sample Depth:		4-5 ft. bg	14-15 ft. bg	10 ft. bg	14-15 ft. bg	6-7 ft. bg	14-15 ft. bg	0-5 ft. bbf	0-5 ft. bbf
	Sampling Date:		1/6/09	1/6/09	1/6/09	1/6/09	1/6/09	1/6/09	4/1/09	4/1/09
Parameters:	Part 375	Part 375								
	UUSCOs	RCUSCOs								
Tetrachloroethene	1.30	150	--	--	37.50	0.443	--	--	5.1	1.2
Cis-1,2-dichloroethene	0.250	500	--	--	--	--	--	--	0.043	--
Methylene chloride	0.050	500	--	--	--	--	--	--	0.014	0.016
Trichloroethene	0.470	200	--	--	0.414	--	--	--	0.073	0.01
Acenaphthylene	100	500	0.074	--	--	--	--	--	NA	NA
Acenaphthene	20	500	0.150	--	--	--	0.043	--	NA	NA
Dibenzofuran	100	500	0.098	--	--	--	--	--	NA	NA
Fluorene	30	500	0.180	--	--	--	--	--	NA	NA
Phenanthrene	100	500	1.510	--	--	--	0.471	--	NA	NA
Anthracene	100	500	0.407	--	--	--	0.098	--	NA	NA
Fluoranthene	100	500	2.730	--	--	--	0.773	--	NA	NA
Pyrene	100	500	2.470	--	--	--	0.618	--	NA	NA
Benzo(a)anthracene	1	5.6	1.630	--	--	--	0.357	--	NA	NA
Chrysene	1	56	1.650	--	--	--	0.360	--	NA	NA
Bis(2-ethylhexyl)phthalate	50	500	0.424	0.814	1.46	0.29	0.605	0.429	NA	NA
Benzo(b)fluoranthene	1	5.6	1.090	--	--	--	0.213	--	NA	NA
Benzo(k)fluoranthene	0.8	56	1.810	--	--	--	0.366	--	NA	NA
Benzo(a)pyrene	1	1	1.190	0.046	--	--	0.245	--	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	5.6	0.342	--	--	--	--	--	NA	NA
Dibenzo(a,h)anthracene	0.33	0.56	0.125	--	--	--	--	--	NA	NA
Benzo(g,h,i)perylene	100	500	0.247	--	--	--	--	--	NA	NA

Notes:

Concentrations in milligrams per kilogram (mg/kg)

NA - Not analyzed/not applicable

-- - Not Detected

UUSCO - Unrestricted Use Soil Cleanup Objective

RCUSCO - Restricted Commercial Use Soil Cleanup Objective

Bold values indicate exceedance of the UUSCO

Outlined values indicate exceedance of RCUSCO

bg - below grade

bbf - below basement floor



APPENDIX B

FIELD SAMPLING LOGS

Geologic Log

Soil Boring SB-10

1199 Sutter Avenue
Brooklyn, New York

Client: AAA Sutter Realty LLC		Depth to Water (ft. from grade)		Site Elevation Datum	
Site Name:		Address: 1199 Sutter Avenue, Brooklyn, NY		Date	DTW
Drilling Company: Associated Environmental		Method: Geoprobe with 5' Macro-core		Measuring Point Elevation	
Date Started: 7/19/11		Date Completed: 7/19/11		NM	
Completion Depth: 15'		Geologist: Gregory Ernst			

GEOLOGY	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (ft.)	Blow per 6 in.	PID (ppm)	
	0				
	4	NA	NA	5.2	Hand clear to 5' - fill material - dark brown silty fine sand with trace rubble, dry, no odor.
	8	1.5	NA	7.9	
	12	3.5	NA	3.1	
	16			2.3	
	20				Dark brown fine sand, wet at ~13', no odor
	24				
	28				
	32				
	36				
	40				End of Boring

Coarse Sand

Medium Sand

Fine Sand

W. Bedrock

0

4

8

12

16

20

24

28

32

36

40



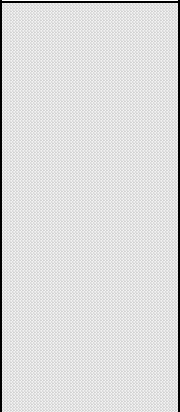

NTS - Not to Scale NA - Not Applicable ND - Not Detected NM - Not Measured DTW - Depth to Water

Geologic Log

Soil Boring SB-11

1199 Sutter Avenue
Brooklyn, New York

Client: AAA Sutter Realty LLC		Depth to Water (ft. from grade)		Site Elevation Datum	
Site Name:		Address: 1199 Sutter Avenue, Brooklyn, NY		Date	DTW
Drilling Company: Associated Environmental		Method: Geoprobe with 5' Macro-core		Measuring Point Elevation	
Date Started: 7/19/11		Date Completed: 7/19/11		NM	
Completion Depth: 15'		Geologist: Gregory Ernst			


GEOLOGY	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (ft.)	Blow per 6 in.	PID (ppm)	
	0			1.5	Hand clear to 5' - fill material - dark brown silty fine sand with trace rubble, dry, no odor.
	4	NA	NA		
	8	3.5	NA	7.2	
				6.0	
		12	4.5	NA	6.2
				5.2	
	16				End of Boring
	20				
	24				
	28				
	32				
	36				
	40				

Coarse Sand

Medium Sand

Fine Sand

W. Bedrock



**Associated
Environmental
Services, Ltd.**

NTS - Not to Scale

NA - Not Applicable

ND - Not Detected

NM - Not Measured

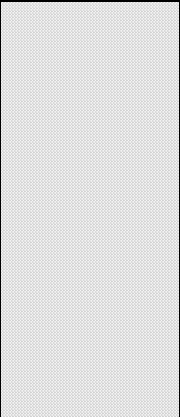

DTW - Depth to Water





Geologic Log

Soil Boring SB-12

1199 Sutter Avenue
Brooklyn, New York

Client: AAA Sutter Realty LLC		Depth to Water (ft. from grade)		Site Elevation Datum
Site Name:	Address: 1199 Sutter Avenue, Brooklyn, NY	Date	DTW	NM
Drilling Company:	Method:			Measuring Point Elevation
Associated Environmental	Geoprobe with 5' Macro-core			
Date Started:	Date Completed:			NM
7/19/11	7/19/11			
Completion Depth:	Geologist:			
15'	Gregory Ernst			

GEOLOGY	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (ft.)	Blow per 6 in.	PID (ppm)	
	0			0.2	Hand clear to 5' - fill material - dark brown silty fine sand with trace rubble, dry, no odor.
	4	NA	NA	0.2	
	8	1.5	NA	0.1	
	12			0.9	
	16	3.5	NA	0.2	Dark brown fine sand, wet at ~13', no odor
	20			0.1	
	24				End of Boring
	28				
	32				
	36				
	40				

-  Coarse Sand
-  Medium Sand
-  Fine Sand
-  W. Bedrock



**Associated
Environmental
Services, Ltd.**

NTS - Not to Scale NA - Not Applicable ND - Not Detected NM - Not Measured DTW - Depth to Water

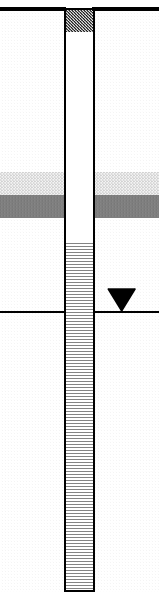






Monitoring Well Construction


Associated Environmental Services, Ltd.

Hauppauge, New York

MW-5

		Depth to Water (ft. from grade.)		Site Elevation Datum Arbitrary
Site Name:	Address:	Date	DTW	Ground Elevation
Commercial Building	1199-1221 Sutter Avenue, Brooklyn	7/19/2011	~13'	20'
Drilling Company:	Method:			Measuring Point Elevation
Associated Env	Geoprobe 6610			
Date Started:	Date Completed:			
7/19/2011	7/19/2011			16.13'
Completion Depth:	AES Geologist:			
25'	Greg E.			

(NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very	Blow per 6 in.	PID ppm	
	0				<p><i>Monitoring Well Construction:</i></p> <p>10' x 2" PVC Riser</p> <p><u>15' x 2" 20 Slot PVC Screen</u></p>
	5				
	10				
	15				
	20				
	25				
	LEGEND:				
	Natural Backfill				
	Bentonite				
	Cement				
	Silica				
	Screen				
	End Cap				



**Associated
Environmental
Services, Ltd.**

NTS - Not to Scale

DTW - Depth to Water



**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Gregory Ernst Date/Time Prepared 7/20/11, 1700

Preparer's Affiliation Associated Env. Services Phone No. 631 234 4280

Purpose of Investigation Former Dry Cleaning Operation

1. OCCUPANT:

Interviewed: Y ☒ N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ☐)

Interviewed: Y ☒ N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

NA

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: _____

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Laundry, Grocery Store, Shops

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? NA

Other characteristics:

Number of floors 1

Building age _____

Is the building insulated? (Y) N

How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

not observed

Airflow near source

NA - source is exterior to building

Outdoor air infiltration

Primary Air Flow Through frequent passage through doors in front and rear of building.

Infiltration into air ducts

no ducts observed.

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other _____
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y/N
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: 8 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Cracks, utility ports, drains, supplemental support footings

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation
Space Heaters
Electric baseboard

Heat pump
Stream radiation
Wood stove

Hot water baseboard
Radiant floor
Outdoor wood boiler Other _____

The primary type of fuel used is:

Natural Gas
Electric
Wood

Fuel Oil
Propane
Coal

Kerosene
Solar

Domestic hot water tank fueled by: electric gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present?

Y/N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Ducting located within suspended ceiling with roof-
Top Unit. Ducting observation limited due to activity in
building but appeared to be tight, cold air return
present in laundry.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	<u>Storage, Utility</u>
1 st Floor	<u>Coin-operated Laundry</u>
2 nd Floor	<u>NA</u>
3 rd Floor	<u>NA</u>
4 th Floor	<u>NA</u>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y N

b. Does the garage have a separate heating unit?

Y / N NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

Y / N NA

Please specify _____

d. Has the building ever had a fire?

Y N When? _____

e. Is a kerosene or unvented gas space heater present?

Y N Where? _____

f. Is there a workshop or hobby/craft area?

Y N Where & Type? _____

g. Is there smoking in the building?

Y N How frequently? _____

h. Have cleaning products been used recently?

Y/N When & Type? Laundry products - constantly

i. Have cosmetic products been used recently?

Y N When & Type? _____

- j. Has painting/staining been done in the last 6 months? Y ☒ N Where & When? _____
- k. Is there new carpet, drapes or other textiles? Y ☒ N Where & When? _____
- l. Have air fresheners been used recently? Y ☒ N When & Type? _____
- m. Is there a kitchen exhaust fan? Y ☒ N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y ☒ N If yes, where vented? _____
- o. Is there a clothes dryer? ☒ Y / N If yes, is it vented outside? ☒ Y / N
- p. Has there been a pesticide application? Y ☒ N When & Type? _____

Are there odors in the building?

If yes, please describe: Laundry product - odor in basement + 1ST Floor ☒ Y / N

Do any of the building occupants use solvents at work? Y ☒ N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work?

Y ☒ N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

☒ Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

No

Unknown

Is there a radon mitigation system for the building/structure? Y ☒ N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: ☒ Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: ☒ Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

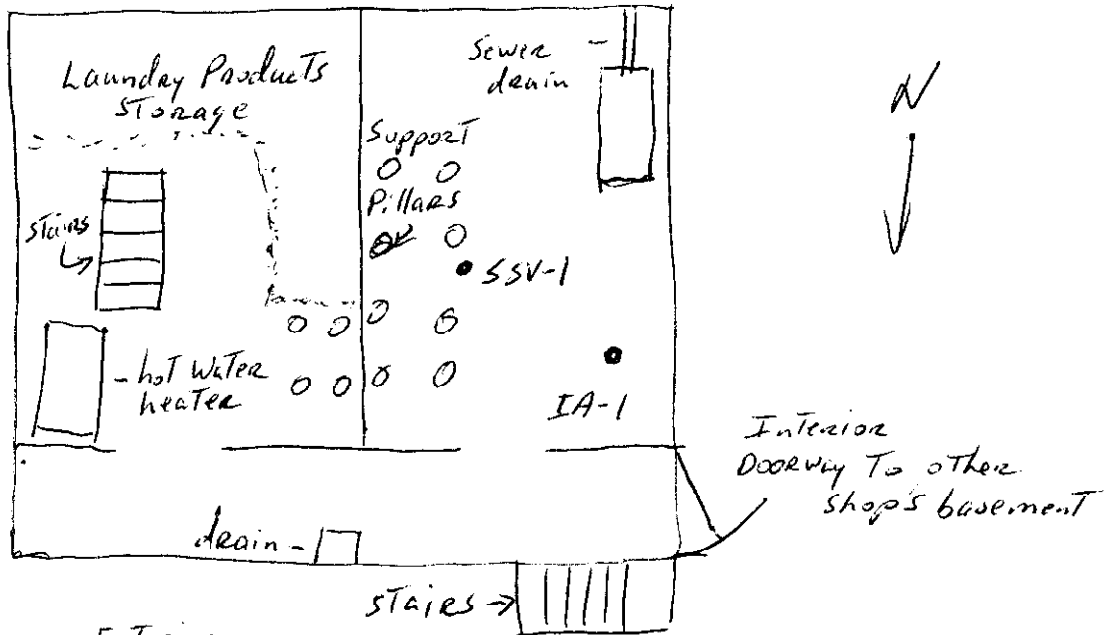
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

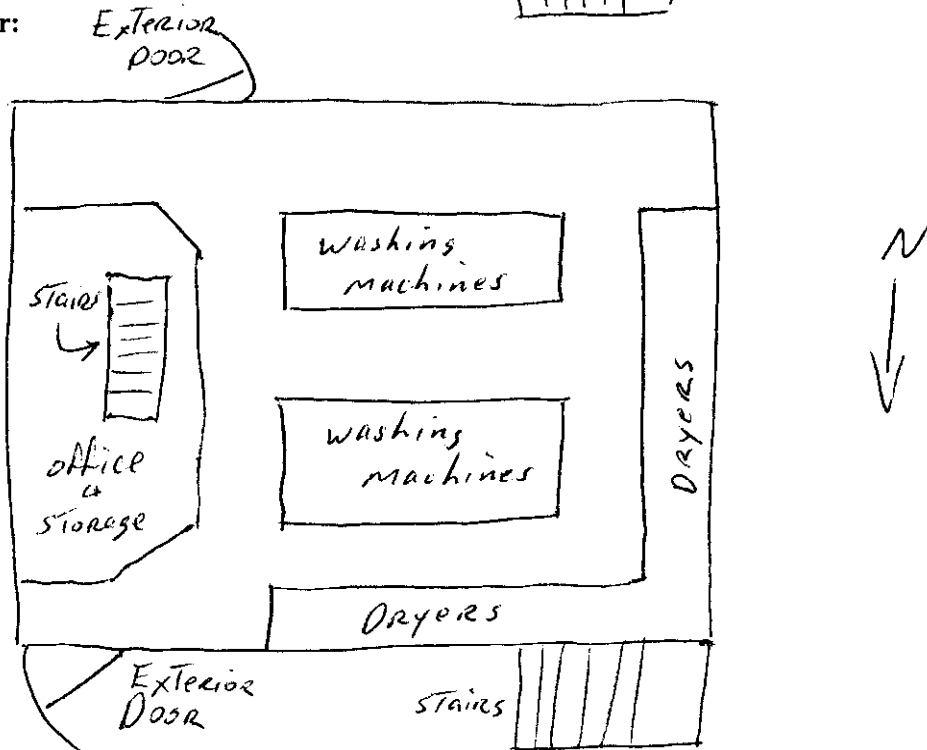
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



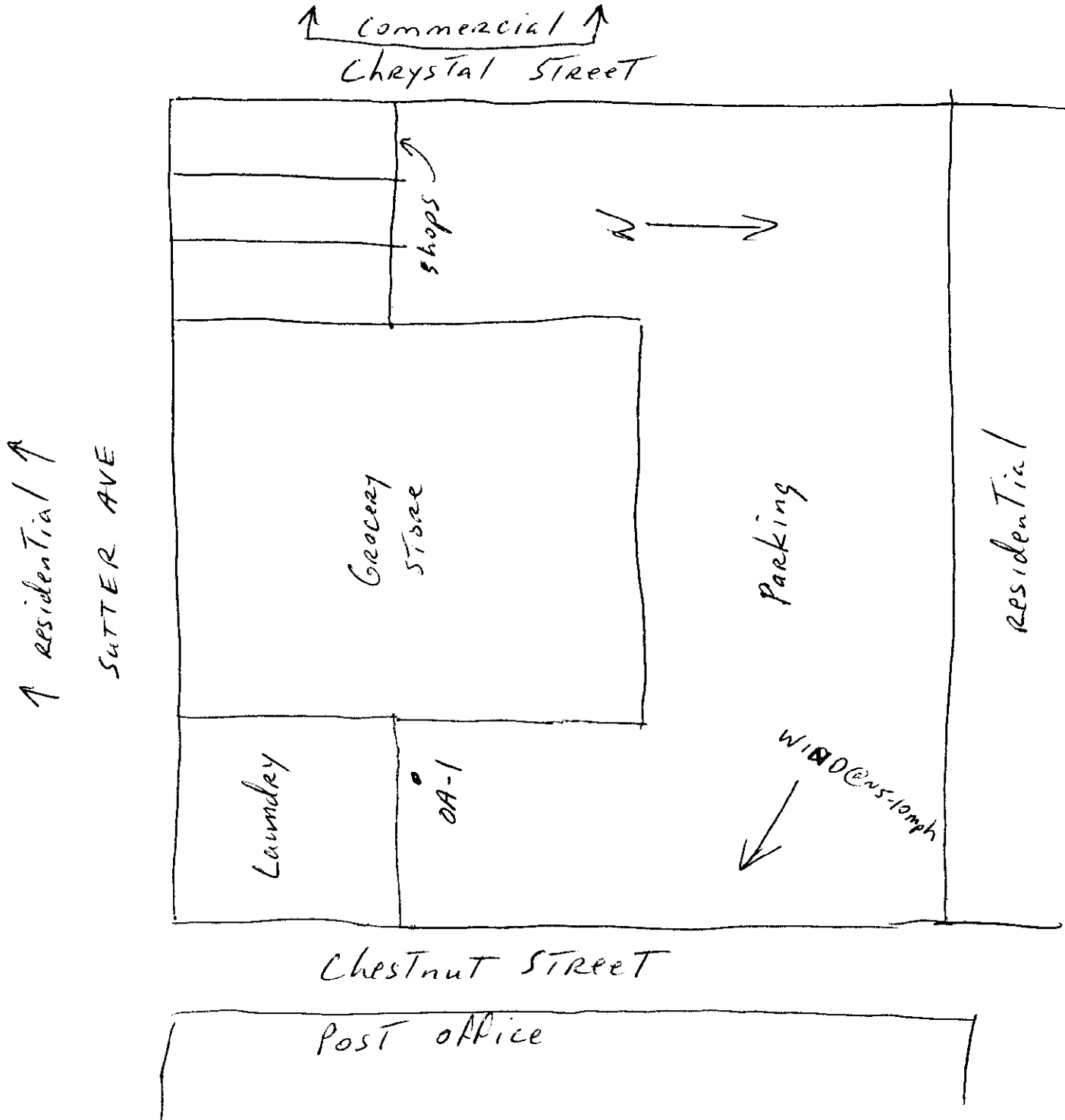
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



List specific products found in the residence that have the potential to affect indoor air quality.

[illegible]

**** Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.**

APPENDIX C

LABORATORY DATA



Alpha Analytical

Laboratory Code: 11148

SDG Number: L1111021

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha holds no responsibility for results and/or data that are not consistent with the original.

Project Name: Not Specified**Lab Number:** L1111021**Project Number:** Not Specified**Report Date:** 07/28/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.


Volatile Organics

L1111021-01, -02, and -10 were re-analyzed on dilutions in order to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analyses were performed only for the compounds that exceeded the calibration range.

L1111021-04, -10, and -11 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Elizabeth Simmons

Title: Technical Director/Representative

Date: 07/28/11



List of Organic Method Qualifiers

Table 1

Qualifier (Q)	Description
B	Entered if the analyte is found in the associated blank as well as the sample.
C	Applied to pesticide results when the identification has been confirmed by GC/MS.
D	Included when the all identified compounds in the analysis are at the secondary dilution factor.
E	Identified compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value, may indicate one of the following, depending on the situation: (1) The reported value is estimated and below the MDL. (2) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero. (3) QC associated with this analyte is within warning limits.
N	Included for TIC that indicate presumptive evidence of a compound.
U	Entered if the analyte was analyzed for, but not detected.
P	Used for a pesticide/Aroclor target analyte when the concentration difference between 2 GC columns is greater than 25%; the lower value is flagged with a "P".
EMPC	"Estimated Maximum Possible Concentration" – The amount of analyte cannot be accurately quantified, so a maximum concentration has been estimated for the compound.
"XYZ"	"Wildcard" or Laboratory defined qualifier.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable, please assess qualifier priority in the following order: U, E, J, B, D, C, P, N. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 64)

List of Inorganic Method Qualifiers

Table 2

Qualifier	Column (1)	Description
Concentration qualifiers		
B	C	Entered if the reported value was less than the CRDL, but greater than the IDL.
U	C	Entered if the analyte was analyzed for, but not detected.
J	C	Entered if the reported value is estimated and below the MDL.
*	C	Duplicate precision exceeds RPD limit.
M	C	Replicate precision exceeds RPD limit.
"XYZ"	C	"Wildcard" or Laboratory defined qualifier.
Qualifier specific entries		
E	Q	Entered if the reported value is estimated because of the presence of interferences.
Method qualifiers		
A	M	Flame atomic absorption
AS	M	Semi-automated spectrophotometric
AV	M	Automated cold vapor atomic absorption
C	M	Manual spectrophotometric
F	M	Furnace atomic absorption
MS	M	Mass spectrometry (ICP-MS)
NR	M	Analyte is not required to be analyzed
P	M	Inductively coupled plasma (ICP)
" "	M	No data have been entered

(1) The term "Column" is used to indicate under which column heading in the reporting forms that the qualifier will be found under.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable to column C, please assess qualifier priority in the following order: U, J, B. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 65)



Volatile Organics Instruments

Volatile Organics: Jack

Instrument: Agilent 5975MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon
Autosampler: EST Centurion
Purge time: 11 min

Column Type: RTX-VMS
Column Length: 20 Meters
df: 1.00um
ID: 0.18mm
Desorb: 2 min

Volatile Organics: Quimby

Instrument: Agilent 5973MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon
Autosampler: EST Centurion
Purge time: 11 min

Column Type: RTX-VMS
Column Length: 20 Meters
df: 1.00um
ID: 0.18mm
Desorb: 2 min

Volatile Organics: Curly

Instrument: Agilent 5972 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Tekmar 3000
Autosampler: Archon
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: Elaine

Instrument: Agilent 5973 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Teledyne Velocity
Autosampler: Teledyne Solatek
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: Charlie

Instrument: Agilent 5975C MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Encon Evolution
Autosampler: EST Centurion
Purge time: 11 min

Column Type: Agilent DB-624
Column Length: 25 Meters
df: 1.12 um
ID: 0.20 mm
Desorb: 2 min

Volatile Organics: Newman

Instrument: Agilent 5973 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Encon Evolution
Autosampler: EST Centurion
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 μ m
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: VPH

Instrument: Agilent 6890

Concentrator: Tekmar 2016
Autosampler: Tekmar 3100

Column Type: Restek RTX 502.2
Column Length: 105 Meters
df: 3.00 μ m
ID: 0.53 mm

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instrument: Agilent 6890 GC / 5975 MSD

Concentrator: Entech 7100A
Autosampler: Entech 7016CA
Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Column Type: Restek RTX-1
Column Length: 60 Meters
df: 1.00 μ m
ID: 0.52 mm

Semivolatile Organics Instruments

Semivolatile Organics (Acid/Base/Neutral Extractables): Buffy

Instrument: Agilent 5973N MSD
Column Type: Restek RTX-5
Column Length: 30 Meters

Injection volume: 1 μ l
df: 0.25 μ m
ID: 0.30 mm

Semivolatile Organics (Acid/Base/Neutral Extractables): Juliet/GCMS5

Instrument: Agilent 5973N MSD
Column Type: Restek RTX-5MS
Column Length: 30 Meters

Injection volume: 1 μ l
df: 0.25 μ m
ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM: Dakota

Instrument: Agilent 5973 MSD
Column Type: Restek RTX-5MS
Column Length: 30 Meters

Injection volume: 1 μ l
df: 0.25 μ m
ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM: Mork/Mindy

Instrument: Agilent 5973N MSD
Column Type: Restek RXI-5SILMS
Column Length: 30 Meters

Injection volume: 1 μ l
df: 0.25 μ m
ID: 0.25 mm

Pesticides/PCB

Instrument: Agilent 6890 w/Dual Micro ECDs
Column Type: Restek RTX-CLP (Channel A)
Column: Restek RTX-CLPPesticide II (Channel B)
Column Length: 30 Meters (Both)

Injection Volume: 1uL
df: 0.32 um
df: 0.25 um
ID: 0.32 mm (Both)

Pesticides/PCB: Pest 10

Instrument: Agilent 6890 w/Dual Micro ECDs
Column Type: Restek STX-CLP (Channel A)
Column: Restek STX-CLPPesticide II (Channel B)
Column Length: 30 Meters (Both)

Injection Volume: 1uL
df: 0.32 um
df: 0.25 um
ID: 0.32 mm (Both)

Herbicides

Instrument: Agilent 6890 w/Dual Micro ECDs
Column Type: Restek RTX-1701 (Channel A)
Column Type: Restek RTX-5 (Channel B)
Column Length: 30 Meters (Both)

Injection Volume: 1uL
df: 0.25 um
df: 0.25 um
ID: 0.32 mm (Both)

Petro9

Instrument: Agilent 6890 w/FID
Column: Restek RTX-5
Column Length: 30 Meters

Injection Volume: 1uL
df: 0.25 um
ID: 0.32 mm

Petro 7

Instrument: HP 5890 w FID
Column: Restek RTX-5
Column length: 30 meters

Injection volume: 1uL
df: 0.25 um
ID: 0.32 mm

EPH

Instrument: Agilent 6890N w/FID
Column: Restek RTX-5
Column Length: 30 Meters

Injection Volume: 1uL
df: 0.25um
ID: 0.32 mm

Explosives

Instrument: Dionex ICS-3000, AS50 Autosampler and PDA-100 detectors.
Injection Volume: 100uL
Column: Phenomenex Synergi 4u Hydro-RP and Luna 5u Phenyl-Hexyl.



Sample Delivery Group Form

Laboratory Job number: L1111021

Client Account: Associated Environmental Services, Ltd.

Received: 07/21/2011 22:35

Samples Delivered by: COURIER

Call Tracker #

Bill Of Laden N/A

Trackingnum

Coc Present Present

Container Status Intact

Sample IDs

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt N/A

Are samples Properly Preserved? Yes

Initial pH preserved in house with

Final pH

Other Issues

Chlorine Check N/A

Are VOA/VPV Vials Present? Yes

Aqueous: Do Vials Contain Head Space? No

Soils: Is MeOH Covering the Soil? N/A

Reagent H2O Preserved vials Frozen on N/A

Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	Yes	No	3.3 - Temp. Blank	No	No

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jul 29 2011, 03:24 pm

Login Number: L1111021

Account: ASSOCENV Associated Environmental Services, Ltd.

Received: 21JUL11 Due Date: 28JUL11
Mat PR Collected Container

Sample #	Client ID	Received: 21JUL11 Mat PR Collected	Due Date: 28JUL11 Container
L1111021-01 B-10 (5-6')		3 S0 19JUL11 08:30	1-Vial-Large
ASP-B Package Due Date: 07/22/11			
ASP-B, NYTCL-8260, TS			
L1111021-02 B-11 (5-6')		3 S0 19JUL11 08:50	1-Vial-Large
Package Due Date: 07/22/11			
NYTCL-8260, TS			
L1111021-03 B-12 (9-10')		3 S0 19JUL11 09:10	1-Vial-Large
Package Due Date: 07/22/11			
NYTCL-8260, TS			
L1111021-04 MW-1S		1 S0 20JUL11 11:25	3-Vial-B
Package Due Date: 07/22/11			
NYTCL-8260			
L1111021-05 MW-1D		1 S0 20JUL11 16:25	3-Vial-B
Package Due Date: 07/22/11			
NYTCL-8260			
L1111021-06 MW-2S		1 S0 20JUL11 10:30	3-Vial-B
Package Due Date: 07/22/11			
NYTCL-8260			
L1111021-07 MW-2D		1 S0 20JUL11 14:55	3-Vial-B
Package Due Date: 07/22/11			
NYTCL-8260			
L1111021-08 MW-3S		1 S0 20JUL11 08:36	3-Vial-B
Package Due Date: 07/22/11			

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jul 29 2011, 03:24 pm

Login Number: L1111021

Account: ASSOCENV Associated Environmental Services, Ltd.

Sample #	Client ID	Received: 21JUL11 Mat PR Collected	Due Date: 28JUL11 Container
----------	-----------	---------------------------------------	--------------------------------

NYTCL-8260

L1111021-09 MW-3D	1 S0 20JUL11 14:10	3-Vial-B
-------------------	--------------------	----------

| Package Due Date: 07/22/11

NYTCL-8260

L1111021-10 MW-4	1 S0 20JUL11 12:50	3-Vial-B
------------------	--------------------	----------

| Package Due Date: 07/22/11

NYTCL-8260

L1111021-11 MW-5	1 S0 20JUL11 09:35	3-Vial-B
------------------	--------------------	----------

| Package Due Date: 07/22/11

NYTCL-8260



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 07-21-11

ALPHA Job #: L1117021

Project Information

Project Name:

Project Location: 1199 SUTTER AVE

Project #: Brooklyn

Project Manager: Greg Ernst

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 07/28/11

Time:

Report Information - Data Deliverables

☐ FAX

☒ EMAIL

☒ ADEx

☐ Add'l Deliverables

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

Criteria

NYSDEC

CAT B Deliverables

Client Information

Client: Associated Env. Services

Address: 25 Central Ave

Hempstead, NY 11788

Phone: 631 234-4280

Fax: 631 234-4297

Email: greg@assocenvsvcs.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Cat B Deliverables

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS TCL VOC										SAMPLE HANDLING		TOTAL # BOTTLES
		Date	Time															
11021-01	B-10 (5-6')	7/19/11	8:30	S	GE	X											4 oz Jar	1
02	B-11 (5-6')	7/19/11	8:50	S		X											↓	↓
03	B-12 (9-10')	7/19/11	9:10	S		X												
04	MW-15	7/20/11	11:25	GW		X											40ml Vial w HCL	32
05	MW-10		4:25			X												3
06	MW-25		10:30			X												
07	MW-20		2:55			X												
08	MW-35		8:36			X												
09	MW-30		2:10			X												
10	MW-4		12:50			X												
11	MW-5		9:35			X												

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Greg Ernst
5/20/11

7/21/11 10:20
7/21/11 14:51
7/21/11

Shane
7/21/11 10:20
7/21/11 12:00
7/21/11 22:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

APPENDIX D

DUSR





MJW CORPORATION

Radiation Consulting Professionals

September 16, 2011

Mr. Gregory Ernst
Associated Environmental Services, Ltd.
25 Central Avenue
Hauppauge, NY 11788

Dear Mr. Ernst:

The data reported by Alpha Analytical Laboratories under SDG L1111021 has been reviewed for quality assurance validation. Data was reported for Volatiles for 11 samples as requested by Associated Environmental Services, Ltd. The 11 samples listed below were validated by MJW. The data in this report has either been approved for use or approved with qualification.

- B-10 (5-6') (Lab ID: 11021-01)
- B-11 (5-6') (Lab ID: 11021-02)
- B-12 (9-10') (Lab ID: 11021-03)
- MW-1S (Lab ID: 11021-04)
- MW-1D (Lab ID: 11021-05)
- MW-2S (Lab ID: 11021-06)
- MW-2D (Lab ID: 11021-07)
- MW-3S (Lab ID: 11021-08)
- MW-3D (Lab ID: 11021-09)
- MW-4 (Lab ID: 11021-10)
- MW-5 (Lab ID: 11021-11)

If you have any questions concerning this data validation report, please contact me at 585-344-7197.

Very truly yours,

MJW Corporation Inc.

Annette Guilds, CES
Senior Scientist

Approved by:

David A. Dooley, Ph.D., CHP
President, MJW Corporation Inc.

DATA USABILITY SUMMARY REPORT

Site Characterization

1199 Sutter Avenue
Brooklyn, New York

Site ID#224141

NYSDEC Spill No. 0902686

SDG: L1111021

Prepared for

Associated Environmental Services, Ltd.
25 Central Avenue
Hauppauge, New York 11788

September 2011

MJW

MJW Corporation, Inc.
1900 Sweet Home Road
Amherst, NY 14228
(716)-631-8291
Project # 2011-1019

Data Review
1199 Sutter Ave. Brooklyn, NY

Laboratory SDG: L1111021
Reviewer: Annette Guilds
Date Reviewed: 9/16/11

Guidance: USEPA NYSDEC ASP "B" Protocol 2005.
USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2008.

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate? Yes.

2.0 Laboratory Case Narrative \ Sample Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form? Yes.

Sample Receipt Form: Cooler and Samples did not have chain of custody seals.

Laboratory Case Narrative:

L1111021-01, -02, and -10 were re-analyzed on dilutions in order to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analyses were performed only for the compounds that exceeded the calibration range.

L1111021-04, -10, and -11 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits? Yes.

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks? No.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria? Yes.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria? Yes.

7.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria? Yes.

8.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG? **No.**

Were MS/MSD recoveries within evaluation criteria? **N/A**

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples reported as part of this SDG? **No.**

Were Duplicate RPD's within evaluation criteria? **N/A.**

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG? **No.**

Were field duplicates within evaluation criteria? **N/A.**

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported? **No.**

12.0 Additional Qualifications

Were additional qualifications applied? **Yes. Some analytes/samples were qualified "UJ" due to out of control continuing calibration data.**

13.0 Package Completeness

Analytical completeness for this package is 97.98% (776 usable analytes/792 analytes requested).

**DATA ASSESSMENT NARRATIVE
(ORGANICS)**

ORGANIC DATA ASSESSMENT

Functional Guidelines for Evaluating Organic Analysis

CASE NO.: _____ SDG NO.: L1111021 LABORATORY: Alpha Analytical
SITE: 1199 Sutter Avenue Brooklyn New York

DATA ASSESSMENT

All data were found to be valid and acceptable except those analytes that have been rejected, "R" (unusable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Data is fully usable and acceptable.

Reviewer's
Signature: Annette Gumb Date: 9/16/2011

MJW Approval: Paul J. Jolley Date: 9/16/2011

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

No action necessary.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No action necessary.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No action necessary.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:

No action necessary.

B) Field or rinse blank contamination:

There are no field blanks or rinse blanks associated with this SDG.

C) Trip blank contamination:

There are no trip blanks associated with this SDG.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".

No action necessary.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

No action necessary.

7. CALIBRATION:

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial

calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in some samples were qualified for %D:

Continuing calibration-VOA's: Dichlorodifluoromethane, Carbon tetrachloride, Chloromethane, Acetone, 1,2,4-trichlorobenzene, 1,2,3-trichlorobenzene, Naphthalene. Refer to the Summary of Sample Data Qualifiers Form and the Data Outlier Form for samples and analytes affected.

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ± 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction.

No action necessary.

9. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

No action necessary.

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract.

N/A

10. CONTRACT PROBLEMS NON-COMPLIANCE:

- **Neither the cooler nor the samples had chain of custody seals.**
- **No record of individual pH values was provided for VOA's.**
- **No Form I Part B (TIC Forms) present for VOA's .**

11. FIELD DOCUMENTATION:

none

12. OTHER PROBLEMS:

none

13. This package contains reextractions, reanalyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified to be used.

none

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

DPO: ☐ Action ☐ FYI

CASE/SAS NO.: _____

LABORATORY: Alpha Analytical

SDG NO.: L1111021

DATA USER: Associated Environmental Services

SOW: _____

REVIEW COMPLETION DATE: 9/16/11

NO. OF SAMPLES: 8 WATER 3 SOIL _____ OTHER _____

REVIEWER: ☐ ESD ☐ ESAT ☒ OTHER, CONTRACTOR MJW Corporation, Inc.

QC ITEM	VOA	BNA	PEST		
HOLDING TIMES	O	N/A	N/A		
GC-MS PERFORMANCE	O	N/A	N/A		
INITIAL CALIBRATIONS	O	N/A	N/A		
CONTINUING CALIBRATIONS	X	N/A	N/A		
FIELD BLANKS (F = N/A)	F	N/A	N/A		
LABORATORY BLANKS	O	N/A	N/A		
SURROGATES	O	N/A	N/A		
MATRIX SPIKE/DUPLICATES	O	N/A	N/A		
QC SAMPLES (LCS, PVS)	O	N/A	N/A		
INTERNAL STANDARDS	O	N/A	N/A		
COMPOUND IDENTIFICATION	O	N/A	N/A		
COMPOUND QUANTITATION	O	N/A	N/A		
SYSTEM PERFORMANCE	O	N/A	N/A		
OVERALL ASSESSMENT	O	N/A	N/A		

O = No problems or minor problems that do not affect data usability.

X = No more than about 5% of the data points are qualified as either estimated or unusable.

M = More than about 5% of the data points are qualified as either estimated or unusable.

Z = More than about 5% of the data points are qualified as unusable.

DPO ACTION ITEMS: _____

AREAS OF CONCERN: _____

Type of Review: Level IV
 Site Name: 1199 Sutton Avenue Brooklyn New York
 Date: 9/15/11
 SDG No.: L11111021
 Lab Name: Alpha Analytical

Type of Review: Level IV

Site Name: 1199 Sutton Avenue Brooklyn New York

Reviewer's Initials: AL Number of Samples: 11

No. of Compounds/No. of Fractions (Samples)

[illegible]

Analytes Estimated Due to Exceeding Review Criteria For:

	No. of Compounds/No. of Fractions (Samples)					
	Surrogates	Holding Time	Calibration	Contamination	ID	Internal Standards
					Other	Total # of Samples
						Total # Estimated/Total # in All Samples
VOA(33)			16			16 / 792 = 2.02 %
ACID(14)						/ = %
BN(50)						/ = %
PEST(21)						/ = %
PCB(7)						/ = %

NOTE: ASTERISK (*) INDICATES ADDITIONAL EXCEEDANCES OF REVIEW CRITERIA:

Summary Data Qualifiers

Summary of Sample Data Qualifiers

SDG # L1111021 **Site Name** 1199 Sutter Avenue Brooklyn New York

Client ID	Lab ID	Matrix	Dichlorodifluor methane	Carbon tetrachloride	Chloromethane	1,2,4-trichlorobenzene
B-10 (5-6')	L1111021-01	Soil	UJ			
B-11 (5-6')	L1111021-02	Soil	UJ			
B-12 (9-10')	L1111021-03	Soil	UJ			
MW-1S	L1111021-04	Water		UJ		
MW-1D	L1111021-05	Water		UJ		
MW-2S	L1111021-06	Water		UJ		
MW-2D	L1111021-07	Water		UJ		
MW-3S	L1111021-08	Water		UJ		
MW-3D	L1111021-09	Water		UJ		
MW-4	L1111021-10	Water		UJ		
MW-5	L1111021-11	Water		UJ	UJ	UJ

Client ID	Lab ID	Matrix	Acetone	Naphthalene	1,2,3-trichlorobenzene	
B-10 (5-6')	L1111021-01	Soil				
B-11 (5-6')	L1111021-02	Soil				
B-12 (9-10')	L1111021-03	Soil				
MW-1S	L1111021-04	Water				
MW-1D	L1111021-05	Water				
MW-2S	L1111021-06	Water				
MW-2D	L1111021-07	Water				
MW-3S	L1111021-08	Water				
MW-3D	L1111021-09	Water				
MW-4	L1111021-10	Water				
MW-5	L1111021-11	Water	UJ	UJ	UJ	

Data Outlier Forms

Calibration Quality Control

[illegible]

CERTIFICATES OF ANALYSIS (COA's)

with Data Validation Qualifiers Added

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-01

Date Collected: 07/19/11 08:30

Client ID: B-10 (5-6')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methyl tert butyl ethor	ND		ug/kg	5.5	1.3	1
p/m-Xylene	35		ug/kg	5.5	1.2	1
o-Xylene	9.2		ug/kg	5.5	1.1	1
cis-1,2-Dichloroethene	48		ug/kg	2.7	0.83	1
Dibromomethane	ND		ug/kg	27	1.2	1
Styrene	ND		ug/kg	5.5	2.0	1
Dichlorodifluoromethane	ND	UJ	ug/kg	27	1.1	1
Acetone	170		ug/kg	27	8.9	1
Carbon disulfide	ND		ug/kg	27	1.0	1
2-Butanone	86		ug/kg	27	11.	1
Vinyl acetate	ND		ug/kg	27	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	27	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	27	1.1	1
2-Hexanone	ND		ug/kg	27	1.1	1
Bromochloromethane	ND		ug/kg	14	0.83	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	0.90	1
Bromobenzene	ND		ug/kg	14	0.60	1
n-Butylbenzene	ND		ug/kg	2.7	0.86	1
sec-Butylbenzene	ND		ug/kg	2.7	0.76	1
tert-Butylbenzene	ND		ug/kg	14	1.6	1
o-Chlorotoluene	ND		ug/kg	14	0.86	1
p-Chlorotoluene	ND		ug/kg	14	0.99	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.3	1
Hexachlorobutadiene	ND		ug/kg	14	1.2	1
Isopropylbenzene	ND		ug/kg	2.7	0.49	1
p-Isopropyltoluene	ND		ug/kg	2.7	0.75	1
Naphthalene	ND		ug/kg	14	2.1	1
Acrylonitrile	ND		ug/kg	27	1.0	1
n-Propylbenzene	ND		ug/kg	2.7	0.78	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.55	1
4-Ethyltoluene	ND		ug/kg	11	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.50	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-02

Date Collected: 07/19/11 08:50

Client ID: B-11 (5-6')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	7.9		ug/kg	5.7	1.2	1
o-Xylene	2.0	J	ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	3.8		ug/kg	2.8	0.86	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND	43	ug/kg	28	1.1	1
Acetone	23	J	ug/kg	28	9.2	1
Carbon disulfide	ND		ug/kg	28	1.1	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.86	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.93	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.89	1
sec-Butylbenzene	ND		ug/kg	2.8	0.78	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.89	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.78	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.1	1
n-Propylbenzene	ND		ug/kg	2.8	0.81	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.57	1
4-Ethyltoluene	ND		ug/kg	11	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-03

Date Collected: 07/19/11 09:10

Client ID: B-12 (9-10')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	36		ug/kg	5.9	1.3	1
o-Xylene	9.4		ug/kg	5.9	1.2	1
cis 1,2 Dichloroethene	52		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND	UJ	ug/kg	29	1.1	1
Acetone	210		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	110		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-04 D
 Client ID: MW-1S
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 14:45
 Analyst: PD

Date Collected: 07/20/11 11:25
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	1.1	2
1,1-Dichloroethane	ND		ug/l	1.5	0.43	2
Chloroform	30		ug/l	1.5	0.40	2
Carbon tetrachloride	ND	UJ	ug/l	1.0	0.33	2
1,2-Dichloropropane	ND		ug/l	3.5	0.59	2
Dibromochloromethane	ND		ug/l	1.0	0.38	2
1,1,2-Trichloroethane	ND		ug/l	1.5	0.52	2
Tetrachloroethene	84		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	1.0	0.38	2
Trichlorofluoromethane	ND		ug/l	5.0	0.53	2
1,2-Dichloroethane	ND		ug/l	1.0	0.32	2
1,1,1-Trichloroethane	ND		ug/l	1.0	0.32	2
Bromodichloromethane	1.2		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	0.51	2
Bromoform	ND		ug/l	4.0	0.50	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.38	2
Benzene	ND		ug/l	1.0	0.39	2
Toluene	ND		ug/l	1.5	0.45	2
Ethylbenzene	ND		ug/l	1.0	0.53	2
Chloromethane	ND		ug/l	5.0	0.56	2
Bromomethane	ND		ug/l	2.0	0.51	2
Vinyl chloride	ND		ug/l	2.0	0.45	2
Chloroethane	ND		ug/l	2.0	0.47	2
1,1-Dichloroethene	ND		ug/l	1.0	0.36	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.42	2
Trichloroethene	3.2		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	0.37	2
1,3-Dichlorobenzene	ND		ug/l	5.0	0.37	2
1,4-Dichlorobenzene	ND		ug/l	5.0	0.43	2

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-05
 Client ID: MW-1D
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 15:20
 Analyst: PD

Date Collected: 07/20/11 16:25
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND	UJ	ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	0.90		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND	J	ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	6.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.21		ug/l	0.75	0.21	1
Trichloroethene	1.7		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-06
 Client ID: MW-2S
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 15:54
 Analyst: PD

Date Collected: 07/20/11 10:30
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	13		ug/l	0.75	0.20	1
Carbon tetrachloride	ND	UJ	ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	10		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	0.63		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.46	J	ug/l	0.75	0.21	1
Trichloroethene	0.36	J	ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-07
 Client ID: MW-2D
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 16:29
 Analyst: PD

Date Collected: 07/20/11 14:55
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	1.1		ug/l	0.75	0.20	1
Carbon tetrachloride	ND	45	ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	9.6		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.40	J	ug/l	0.75	0.21	1
Trichloroethene	0.95		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-08
 Client ID: MW-3S
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 17:03
 Analyst: PD

Date Collected: 07/20/11 08:36
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	14		ug/l	0.75	0.20	1
Carbon tetrachloride	ND	UJ	ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	0.73		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	1.1		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	0.29	J	ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.65	J	ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-09
 Client ID: MW-3D
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 17:38
 Analyst: PD

Date Collected: 07/20/11 14:10
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	1.8		ug/l	0.75	0.20	1
Carbon tetrachloride	ND	UJ	ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	20		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	0.27	J	ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.51	J	ug/l	0.75	0.21	1
Trichloroethene	1.1		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-10 D
 Client ID: MW-4
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 18:12
 Analyst: PD

Date Collected: 07/20/11 12:50
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	1.3	2.5
1,1-Dichloroethane	ND		ug/l	1.9	0.54	2.5
Chloroform	15		ug/l	1.9	0.49	2.5
Carbon tetrachloride	ND	UI	ug/l	1.2	0.41	2.5
1,2-Dichloropropane	ND		ug/l	4.4	0.74	2.5
Dibromochloromethane	ND		ug/l	1.2	0.47	2.5
1,1,2-Trichloroethane	ND		ug/l	1.9	0.65	2.5
Tetrachloroethene	440	E	ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	1.2	0.48	2.5
Trichlorofluoromethane	ND		ug/l	6.2	0.67	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.40	2.5
1,1,1-Trichloroethane	ND		ug/l	1.2	0.40	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	0.64	2.5
Bromoform	ND		ug/l	5.0	0.62	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.48	2.5
Benzene	ND		ug/l	1.2	0.48	2.5
Toluene	ND		ug/l	1.9	0.57	2.5
Ethylbenzene	ND		ug/l	1.2	0.66	2.5
Chloromethane	ND		ug/l	6.2	0.70	2.5
Bromomethane	ND		ug/l	2.5	0.64	2.5
Vinyl chloride	ND		ug/l	2.5	0.56	2.5
Chloroethane	ND		ug/l	2.5	0.58	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.45	2.5
trans-1,2-Dichloroethene	0.67	J	ug/l	1.9	0.53	2.5
Trichloroethene	14		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	0.54	2.5

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-11 D
 Client ID: MW-5
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/27/11 10:41
 Analyst: PD

Date Collected: 07/20/11 09:35
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	1.3	2.5
1,1-Dichloroethane	ND		ug/l	1.9	0.54	2.5
Chloroform	29		ug/l	1.9	0.49	2.5
Carbon tetrachloride	ND	UJ	ug/l	1.2	0.41	2.5
1,2-Dichloropropane	ND		ug/l	4.4	0.74	2.5
Dibromochloromethane	ND		ug/l	1.2	0.47	2.5
1,1,2-Trichloroethane	ND		ug/l	1.9	0.65	2.5
Tetrachloroethene	98		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	1.2	0.48	2.5
Trichlorofluoromethane	ND		ug/l	6.2	0.67	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.40	2.5
1,1,1-Trichloroethane	ND		ug/l	1.2	0.40	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	0.64	2.5
Bromoform	ND		ug/l	5.0	0.62	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.48	2.5
Benzene	ND		ug/l	1.2	0.48	2.5
Toluene	ND		ug/l	1.9	0.57	2.5
Ethylbenzene	ND		ug/l	1.2	0.66	2.5
Chloromethane	ND	UJ	ug/l	6.2	0.70	2.5
Bromomethane	ND		ug/l	2.5	0.64	2.5
Vinyl chloride	0.70	J	ug/l	2.5	0.56	2.5
Chloroethane	ND		ug/l	2.5	0.58	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.45	2.5
trans-1,2-Dichloroethene	0.60	J	ug/l	1.9	0.53	2.5
Trichloroethene	5.2		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	0.54	2.5

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-11 D
 Client ID: MW-5
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 09:35
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.40	2.5
p/m-Xylene	ND		ug/l	2.5	0.87	2.5
o-Xylene	ND		ug/l	2.5	0.82	2.5
cis-1,2-Dichloroethene	9.8		ug/l	1.2	0.47	2.5
Dibromomethane	ND		ug/l	12	0.91	2.5
1,2,3-Trichloropropane	ND		ug/l	12	1.1	2.5
Acrylonitrile	ND		ug/l	12	1.1	2.5
Styrene	ND		ug/l	2.5	0.90	2.5
Dichlorodifluoromethane	ND		ug/l	12	0.75	2.5
Acetone	ND	UJ	ug/l	12	3.9	2.5
Carbon disulfide	ND		ug/l	12	0.75	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	0.78	2.5
4-Methyl-2-pentanone	ND		ug/l	12	1.0	2.5
2-Hexanone	ND		ug/l	12	1.4	2.5
Bromochloromethane	ND		ug/l	6.2	0.82	2.5
2,2-Dichloropropane	ND		ug/l	6.2	0.99	2.5
1,2-Dibromoethane	ND		ug/l	5.0	0.48	2.5
1,3-Dichloropropane	ND		ug/l	6.2	0.53	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	1.2	0.41	2.5
Bromobenzene	ND		ug/l	6.2	0.46	2.5
n-Butylbenzene	ND		ug/l	1.2	0.49	2.5
sec-Butylbenzene	ND		ug/l	1.2	0.45	2.5
tert-Butylbenzene	ND		ug/l	6.2	0.75	2.5
o-Chlorotoluene	ND		ug/l	6.2	0.46	2.5
p-Chlorotoluene	ND		ug/l	6.2	0.46	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	0.82	2.5
Hexachlorobutadiene	ND		ug/l	1.5	0.58	2.5
Isopropylbenzene	ND		ug/l	1.2	0.47	2.5
p-Isopropyltoluene	ND		ug/l	1.2	0.47	2.5
Naphthalene	ND	UJ	ug/l	6.2	0.54	2.5
n-Propylbenzene	ND		ug/l	1.2	0.43	2.5
1,2,3-Trichlorobenzene	ND	UJ	ug/l	6.2	0.58	2.5
1,2,4-Trichlorobenzene	ND	UJ	ug/l	6.2	0.55	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	0.53	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	0.67	2.5
1,4-Diethylbenzene	ND		ug/l	5.0	0.27	2.5
4-Ethyltoluene	ND		ug/l	5.0	1.0	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/l	5.0	0.24	2.5



LABORATORY QA SHEETS

For Out of Limit QA Results

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

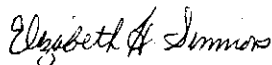
Volatile Organics

L1111021-01, -02, and -10 were re-analyzed on dilutions in order to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analyses were performed only for the compounds that exceeded the calibration range.

L1111021-04, -10, and -11 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Elizabeth Simmons

Title: Technical Director/Representative

Date: 07/28/11



Sample Delivery Group Form

Laboratory Job number: L1111021

Client Account: Associated Environmental Services, Ltd.

Received: 07/21/2011 22:35

Samples Delivered by: COURIER

Call Tracker #

Bill Of Laden N/A

Trackingnum

Coc Present Present

Container Status Intact

Sample IDs

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt N/A

Are samples Properly Preserved? Yes

Initial pH preserved in house with

Final pH

Other Issues

Chlorine Check N/A

Are VOA/VPV Vials Present? Yes

Aqueous: Do Vials Contain Head Space? No

Soils: Is MeOH Covering the Soil? N/A

Reagent H2O Preserved vials Frozen on N/A

Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	Yes	No	3.3 - Temp. Blank	No	No

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1111021

Instrument ID: curly.i Calibration Date: 27-JUL-2011 Time: 06:55

Lab File ID: 0727A01 Init. Calib. Date(s): 08-JUN-2 08-JUN-2

Sample No: wg481303-1,31,2 Init. Calib. Times : 16:43 20:32

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.32816	.2229	.001	32	25 F
chloromethane	.30774	.23369	.1	24	25
vinyl chloride	.33915	.27526	.001	19	20
bromomethane	.26151	.19945	.001	24	25
chloroethane	.20038	.15278	.001	24	25
trichlorofluoromethane	.52875	.48854	.001	8	25
ethyl ether	.15835	.13217	.001	17	25
acrolein	100	164	.001	64	40 F
freon 113	.27628	.23911	.001	13	25
acetone	100	95.888	.001	4	40
1,1-dichloroethene	.2452	.20601	.001	16	20
Tert-Butyl Alcohol	500	494	.001	1	25
methyl acetate	.18353	.17736	.001	3	25
methylene chloride	.29684	.26889	.001	9	25
carbon disulfide	.81033	.71421	.001	12	25
acrylonitrile	.08522	.07008	.001	18	25
methyl tert butyl ether	.63608	.64678	.001	-2	25
trans-1,2-dichloroethene	.26407	.22593	.001	14	25
Diisopropyl Ether	.6926	.63285	.001	9	25
1,1-dichloroethane	.50635	.45343	.1	10	25
vinyl acetate	.39847	.37939	.001	5	40
Ethyl-Tert-Butyl-Ether	.65278	.60088	.001	8	25
2-butanone	.11579	.0961	.001	17	40
2,2-dichloropropane	100	103	.001	-3	25
Ethyl Acetate	.22997	.2318	.001	-1	25
cis-1,2-dichloroethene	.28089	.23506	.001	16	25
chloroform	.57546	.53033	.001	8	20
bromochloromethane	.11954	.0989	.001	17	25
tetrahydrofuran	.07112	.06314	.001	11	40
1,1,1-trichloroethane	.47285	.45969	.001	3	25
cyclohexane	.33057	.34036	.001	-3	25
1,1-dichloropropene	.42138	.38717	.001	8	25
carbon tetrachloride	100	94.922	.001	5	25
Tertiary-Amyl Methyl Ether	.65097	.592	.001	9	25
1,2-dichloroethane	.5112	.50969	.001	0	25
benzene	1.0660	.95454	.001	10	25
trichloroethene	.30213	.25536	.001	15	25
methyl cyclohexane	.4333	.40965	.001	5	25

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1111021

Instrument ID: Gonzo.i Calibration Date: 26-JUL-2011 Time: 08:32

Lab File ID: 0726A02 Init. Calib. Date(s): 19-JUL-2 19-JUL-2

Sample No: wg481-1,31,10 Init. Calib. Times : 10:48 14:10

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.21539	.19723	.01	8	25	
chloromethane	.32617	.25564	.1	22	25	
vinyl chloride	.15987	.16814	.01	-5	20	
bromomethane	100	86.892	.01	13	25	
chloroethane	.13269	.1334	.01	-1	25	
trichlorofluoromethane	.34974	.34427	.01	2	25	
ethyl ether	.09045	.08232	.01	9	25	
acrolin	100	477	.001	-377	25	F
Freon 113	.19889	.20938	.01	-5	25	
acetone	100	71.135	.01	29	40	
1,1,-dichloroethene	.23047	.21024	.01	9	20	
Tert-Butyl Alcohol	.01534	.0139	.001	9	25	
iodomethane	100	57.602	.01	42	25	F
Methyl Acetate	.13998	.1356	.01	3	25	
methylene chloride	.30413	.28194	.01	7	25	
carbon disulfide	.77836	.6882	.01	12	25	
acrylonitrile	.07835	.06905	.01	12	25	
methyl tert butyl ether	.57781	.4687	.01	19	25	
halothane	.18784	-----	.01	---	25	F
trans-1,2-dichloroethene	.25654	.23236	.01	9	25	
Diisopropyl Ether	.86706	.77318	.01	11	25	
1,1-dichloroethane	.46829	.44783	.1	4	25	
vinyl acetate	.07285	.06099	.01	16	40	
Ethyl-Tert-Butyl-Ether	.73356	.6295	.01	14	25	
2-butanone	.08691	.08093	.01	7	40	
2,2-dichloropropane	.35106	.3192	.01	9	25	
Ethyl Acetate	100	81.907	.01	18	25	
cis-1,2-dichloroethene	.29633	.26977	.01	9	25	
chloroform	.48059	.45903	.01	4	20	
bromochloromethane	.12474	.12162	.01	2	25	
tetrahydrofuran	.05653	.04221	.01	25	40	
1,1,1-trichloroethane	100	80.572	.01	19	25	
Cyclohexane	.39586	.42206	.01	-7	25	
1,1-dichloropropene	.35132	.32209	.01	8	25	
Carbontetrachloride	100	74.926	.01	25	25	F
Tertiary-Amyl Methyl Ether	.61835	.5447	.01	12	25	
1,2-dichloroethane	.3363	.32961	.01	2	25	
benzene	1.1030	1.0453	.01	5	25	

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1111021

Instrument ID: curly.i Calibration Date: 28-JUL-2011 Time: 07:05

Lab File ID: 0728A01 Init. Calib. Date(s): 08-JUN-2 08-JUN-2

Sample No: wg481740-1,31,2 Init. Calib. Times : 16:43 20:32

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.32816	.25077	.001	24	25
chloromethane	.30774	.28288	.1	8	25
vinyl chloride	.33915	.34152	.001	-1	20
bromomethane	.26151	.23941	.001	8	25
chloroethane	.20038	.18203	.001	9	25
trichlorofluoromethane	.52875	.55659	.001	-5	25
ethyl ether	.15835	.1404	.001	11	25
acrolein	100	195	.001	-95	40
Freon 113	.27628	.25807	.001	7	25
acetone	100	113	.001	-13	40
1,1-dichloroethene	.2452	.22801	.001	7	20
Tert-Butyl Alcohol	500	567	.001	-13	25
methyl acetate	.18353	.19725	.001	-7	25
methylene chloride	.29684	.33982	.001	-14	25
carbon disulfide	.81033	.75312	.001	7	25
acrylonitrile	.08522	.08087	.001	5	25
methyl tert butyl ether	.63608	.72656	.001	-14	25
trans-1,2-dichloroethene	.26407	.26509	.001	0	25
Diisopropyl Ether	.6926	.73236	.001	-6	25
1,1-dichloroethane	.50635	.5677	.1	-12	25
vinyl acetate	.39847	.43787	.001	-10	40
Ethyl-Tert-Butyl-Ether	.65278	.69712	.001	-7	25
2-butanone	.11579	.11059	.001	4	40
2,2-dichloropropane	100	117	.001	-17	25
Ethyl Acetate	.22997	.27612	.001	-20	25
cis-1,2-dichloroethene	.28089	.29382	.001	-5	25
chloroform	.57546	.64104	.001	-11	20
bromochloromethane	.11954	.11946	.001	0	25
tetrahydrofuran	.07112	.07397	.001	-4	40
1,1,1-trichloroethane	.47285	.53696	.001	-14	25
cyclohexane	.33057	.35772	.001	-8	25
1,1-dichloropropene	.42138	.44574	.001	-6	25
carbon tetrachloride	100	107	.001	-7	25
Tertiary-Amyl Methyl Ether	.65097	.66268	.001	-2	25
1,2-dichloroethane	.5112	.6166	.001	-21	25
benzene	1.0660	1.1363	.001	-7	25
trichloroethene	.30213	.30694	.001	-2	25
methyl cyclohexane	.4333	.47239	.001	-9	25

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1111021

Instrument ID: curly.i Calibration Date: 28-JUL-2011 Time: 07:05

Lab File ID: 0728A01 Init. Calib. Date(s): 08-JUN-2 08-JUN-2

Sample No: wg481740-1,31,2 Init. Calib. Times : 16:43 20:32

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,2-dichloropropane	.23753	.26353	.001	-11	20
bromodichloromethane	.38804	.44137	.001	-14	25
1,4-Dioxane	.00323	.0034	.001	-5	25
dibromomethane	.15524	.17127	.001	-10	25
2-Chloroethylvinyl ether	100	109	.001	-9	25
4-methyl-2-pentanone	.08499	.09067	.001	-7	40
cis-1,3-dichloropropene	100	109	.001	-9	25
toluene	.97424	1.0310	.001	-6	20
trans-1,3-dichloropropene	100	115	.001	-15	25
ethyl methacrylate	.52827	.51992	.001	2	25
1,1,2-trichloroethane	.27621	.29928	.001	-8	25
2-hexanone	.25307	.30174	.001	-19	40
1,3-dichloropropane	.54941	.63527	.001	-16	25
tetrachloroethene	.38767	.36422	.001	6	25
chlorodibromomethane	100	107	.001	-7	25
1,2-dibromoethane	.24349	.26534	.001	-9	25
chlorobenzene	1.0093	1.0436	.3	-3	25
1,1,1,2-tetrachloroethane	100	108	.001	-8	25
ethylbenzene	1.9470	2.1972	.001	-13	20
p/m-xylene	.69419	.74101	.001	-7	25
o-xylene	.65304	.69063	.001	-6	25
styrene	1.1142	1.2073	.001	-8	25
bromoform	100	109	.1	-9	25
isopropylbenzene	1.8885	2.0418	.001	-8	25
1,4-dichlorobutane	1.0552	1.2653	.001	-20	25
1,1,2,2-tetrachloroethane	.78207	.92743	.3	-19	25
1,2,3-trichloropropane	.72452	.90918	.001	-25	25
trans-1,4-dichloro-2-butene	100	126	.001	-26	25
n-propylbenzene	4.3234	5.2907	.001	-22	25
bromobenzene	.81331	.85519	.001	-5	25
4-ethyltoluene	3.5834	3.9888	.001	-11	25
1,3,5-trimethylbenzene	3.1307	3.6657	.001	-17	25
2-chlorotoluene	3.1232	3.7496	.001	-20	25
4-chlorotoluene	2.8618	3.4472	.001	-20	25
tert-butylbenzene	2.6089	3.0206	.001	-16	25
1,2,4-trimethylbenzene	3.1272	3.7902	.001	-21	25
sec-butylbenzene	3.7817	4.3572	.001	-15	25
p-isopropyltoluene	3.1813	3.8139	.001	-20	25

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F

FORM VII NYTCL-8260

7A

SDG No.: L1111021

Lab File ID: 0728A01 Init. Calib. Date(s): 08-JUN-2 08-JUN-2

Sample No: wq481740-1,31,2 Init. Calib. Times : 16:43 20:32

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7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1111021

Instrument ID: Gonzo.i Calibration Date: 27-JUL-2011 Time: 08:25

Lab File ID: 0727A02 Init. Calib. Date(s): 19-JUL-2 19-JUL-2

Sample No: wg481-1,31,10 Init. Calib. Times : 10:48 14:10

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.21539	.17573	.01	18	25	
chloromethane	.32617	.23402	.1	28	25	F
vinyl chloride	.15987	.16185	.01	-1	20	
bromomethane	100	83.543	.01	16	25	
chloroethane	.13269	.12236	.01	8	25	
trichlorofluoromethane	.34974	.32502	.01	7	25	
ethyl ether	.09045	.08209	.01	9	25	
acrolin	100	468	.001	-368	25	F
Freon 113	.19889	.19595	.01	1	25	
acetone	100	71.659	.01	28	40	
1,1,-dichloroethene	.23047	.2017	.01	12	20	
Tert Butyl Alcohol	.01534	.01351	.001	12	25	
iodomethane	100	60.590	.01	39	25	F
Methyl Acetate	.13998	.1386	.01	1	25	
methylene chloride	.30413	.28195	.01	7	25	
carbon disulfide	.77836	.64002	.01	18	25	
acrylonitrile	.07835	.06892	.01	12	25	
methyl tert butyl ether	.57781	.47252	.01	18	25	
halothane	.18784	.00007	.01	100	25	F
trans-1,2-dichloroethene	.25654	.22673	.01	12	25	
Diisopropyl Ether	.86706	.77852	.01	10	25	
1,1-dichloroethane	.46829	.43192	.1	8	25	
vinyl acetate	.07285	.05656	.01	22	40	
Ethyl-Tert-Butyl-Ether	.73356	.62723	.01	14	25	
2-butanone	.08691	.07823	.01	10	40	
2,2-dichloropropane	.35106	.31038	.01	12	25	
Ethyl Acetate	100	85.251	.01	15	25	
cis-1,2-dichloroethene	.29633	.2743	.01	7	25	
chloroform	.48059	.44881	.01	7	20	
bromochloromethane	.12474	.11707	.01	6	25	
tetrahydrofuran	.05653	.04468	.01	21	40	
1,1,1-trichloroethane	100	77.476	.01	23	25	
Cyclohexane	.39586	.39996	.01	-1	25	
1,1-dichloropropene	.35132	.31604	.01	10	25	
Carbontetrachloride	100	71.101	.01	29	25	F
Tertiary-Amyl Methyl Ether	.61835	.53856	.01	13	25	
1,2-dichloroethane	.3363	.32113	.01	5	25	
benzene	1.1030	1.0127	.01	8	25	

FORM VII NYTCL-8260

7A

SDG No.: L1111021

Lab File ID: 0727A02 Init. Calib. Date(s): 19-JUL-2 19-JUL-2

Sample No: wq481-1,31,10 Init. Calib. Times : 10:48 14:10

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Laboratory Level II Analytical Report



ANALYTICAL REPORT

Lab Number:	L1111021
Client:	Associated Environmental Services, Ltd. 25 Central Avenue Hauppauge, NY 11788
ATTN:	Greg Ernst
Phone:	(631) 234-4280
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	07/28/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1111021-01	B-10 (5-6')	1199 SUTTER AVE, BROOKLYN	07/19/11 08:30
L1111021-02	B-11 (5-6')	1199 SUTTER AVE, BROOKLYN	07/19/11 08:50
L1111021-03	B-12 (9-10')	1199 SUTTER AVE, BROOKLYN	07/19/11 09:10
L1111021-04	MW-1S	1199 SUTTER AVE, BROOKLYN	07/20/11 11:25
L1111021-05	MW-1D	1199 SUTTER AVE, BROOKLYN	07/20/11 16:25
L1111021-06	MW-2S	1199 SUTTER AVE, BROOKLYN	07/20/11 10:30
L1111021-07	MW-2D	1199 SUTTER AVE, BROOKLYN	07/20/11 14:55
L1111021-08	MW-3S	1199 SUTTER AVE, BROOKLYN	07/20/11 08:36
L1111021-09	MW-3D	1199 SUTTER AVE, BROOKLYN	07/20/11 14:10
L1111021-10	MW-4	1199 SUTTER AVE, BROOKLYN	07/20/11 12:50
L1111021-11	MW-5	1199 SUTTER AVE, BROOKLYN	07/20/11 09:35

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

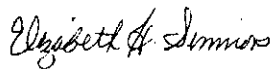
Volatile Organics

L1111021-01, -02, and -10 were re-analyzed on dilutions in order to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analyses were performed only for the compounds that exceeded the calibration range.

L1111021-04, -10, and -11 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Elizabeth Simmons

Title: Technical Director/Representative

Date: 07/28/11

ORGANICS

VOLATILES



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-01
 Client ID: B-10 (5-6')
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 07/27/11 09:12
 Analyst: BN
 Percent Solids: 91%

Date Collected: 07/19/11 08:30
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	11	J	ug/kg	27	2.2	1
1,1-Dichloroethane	ND		ug/kg	4.1	0.81	1
Chloroform	ND		ug/kg	4.1	0.89	1
Carbon tetrachloride	ND		ug/kg	2.7	0.58	1
1,2-Dichloropropane	ND		ug/kg	9.6	0.70	1
Dibromochloromethane	ND		ug/kg	2.7	0.84	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1.1	1
Tetrachloroethene	640	E	ug/kg	2.7	0.84	1
Chlorobenzene	ND		ug/kg	2.7	0.51	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.7	0.62	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	0.74	1
Bromodichloromethane	ND		ug/kg	2.7	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	0.82	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	0.73	1
1,1-Dichloropropene	ND		ug/kg	14	1.2	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	0.66	1
Benzene	ND		ug/kg	2.7	0.82	1
Toluene	1.0	J	ug/kg	4.1	0.66	1
Ethylbenzene	11		ug/kg	2.7	0.61	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.5	1.8	1
Vinyl chloride	ND		ug/kg	5.5	2.1	1
Chloroethane	ND		ug/kg	5.5	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.7	0.71	1
trans-1,2-Dichloroethene	20		ug/kg	4.1	1.1	1
Trichloroethene	33		ug/kg	2.7	0.62	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-01
 Client ID: B-10 (5-6')
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/19/11 08:30
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.5	1.3	1
p/m-Xylene	35		ug/kg	5.5	1.2	1
o-Xylene	9.2		ug/kg	5.5	1.1	1
cis-1,2-Dichloroethene	48		ug/kg	2.7	0.83	1
Dibromomethane	ND		ug/kg	27	1.2	1
Styrene	ND		ug/kg	5.5	2.0	1
Dichlorodifluoromethane	ND		ug/kg	27	1.1	1
Acetone	170		ug/kg	27	8.9	1
Carbon disulfide	ND		ug/kg	27	1.0	1
2-Butanone	86		ug/kg	27	11.	1
Vinyl acetate	ND		ug/kg	27	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	27	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	27	1.1	1
2-Hexanone	ND		ug/kg	27	1.1	1
Bromochloromethane	ND		ug/kg	14	0.83	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	0.90	1
Bromobenzene	ND		ug/kg	14	0.60	1
n-Butylbenzene	ND		ug/kg	2.7	0.86	1
sec-Butylbenzene	ND		ug/kg	2.7	0.76	1
tert-Butylbenzene	ND		ug/kg	14	1.6	1
o-Chlorotoluene	ND		ug/kg	14	0.86	1
p-Chlorotoluene	ND		ug/kg	14	0.99	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.3	1
Hexachlorobutadiene	ND		ug/kg	14	1.2	1
Isopropylbenzene	ND		ug/kg	2.7	0.49	1
p-Isopropyltoluene	ND		ug/kg	2.7	0.75	1
Naphthalene	ND		ug/kg	14	2.1	1
Acrylonitrile	ND		ug/kg	27	1.0	1
n-Propylbenzene	ND		ug/kg	2.7	0.78	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.55	1
4-Ethyltoluene	ND		ug/kg	11	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.50	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-01

Date Collected: 07/19/11 08:30

Client ID: B-10 (5-6')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/kg	14	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-01 D
 Client ID: B-10 (5-6')
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 07/28/11 08:48
 Analyst: BN
 Percent Solids: 91%

Date Collected: 07/19/11 08:30
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	680		ug/kg	27	8.4	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	99		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-02
 Client ID: B-11 (5-6')
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 07/27/11 09:47
 Analyst: BN
 Percent Solids: 88%

Date Collected: 07/19/11 08:50
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	10	J	ug/kg	28	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.3	0.84	1
Chloroform	ND		ug/kg	4.3	0.92	1
Carbon tetrachloride	ND		ug/kg	2.8	0.60	1
1,2-Dichloropropane	ND		ug/kg	9.9	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.87	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1.1	1
Tetrachloroethene	1000	E	ug/kg	2.8	0.87	1
Chlorobenzene	ND		ug/kg	2.8	0.53	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.77	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.85	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.76	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.68	1
Benzene	ND		ug/kg	2.8	0.84	1
Toluene	ND		ug/kg	4.3	0.69	1
Ethylbenzene	2.8		ug/kg	2.8	0.63	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.7	1.8	1
Vinyl chloride	ND		ug/kg	5.7	2.1	1
Chloroethane	ND		ug/kg	5.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.74	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1.1	1
Trichloroethene	24		ug/kg	2.8	0.64	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-02

Date Collected: 07/19/11 08:50

Client ID: B-11 (5-6')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	7.9		ug/kg	5.7	1.2	1
o-Xylene	2.0	J	ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	3.8		ug/kg	2.8	0.86	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	23	J	ug/kg	28	9.2	1
Carbon disulfide	ND		ug/kg	28	1.1	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.86	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.93	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.89	1
sec-Butylbenzene	ND		ug/kg	2.8	0.78	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.89	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.78	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.1	1
n-Propylbenzene	ND		ug/kg	2.8	0.81	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.57	1
4-Ethyltoluene	ND		ug/kg	11	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-02

Date Collected: 07/19/11 08:50

Client ID: B-11 (5-6')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	95		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-02 D
 Client ID: B-11 (5-6")
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 07/28/11 09:22
 Analyst: BN
 Percent Solids: 88%

Date Collected: 07/19/11 08:50
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	1600		ug/kg	28	8.7	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	96		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-03
 Client ID: B-12 (9-10')
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 07/27/11 10:21
 Analyst: BN
 Percent Solids: 85%

Date Collected: 07/19/11 09:10
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	11	J	ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	560		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	11		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	22		ug/kg	4.4	1.2	1
Trichloroethene	34		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-03
 Client ID: B-12 (9-10')
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/19/11 09:10
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	36		ug/kg	5.9	1.3	1
o-Xylene	9.4		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	52		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	210		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	110		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-03

Date Collected: 07/19/11 09:10

Client ID: B-12 (9-10')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-04 D
 Client ID: MW-1S
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 14:45
 Analyst: PD

Date Collected: 07/20/11 11:25
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	1.1	2
1,1-Dichloroethane	ND		ug/l	1.5	0.43	2
Chloroform	30		ug/l	1.5	0.40	2
Carbon tetrachloride	ND		ug/l	1.0	0.33	2
1,2-Dichloropropane	ND		ug/l	3.5	0.59	2
Dibromochloromethane	ND		ug/l	1.0	0.38	2
1,1,2-Trichloroethane	ND		ug/l	1.5	0.52	2
Tetrachloroethene	84		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	1.0	0.38	2
Trichlorofluoromethane	ND		ug/l	5.0	0.53	2
1,2-Dichloroethane	ND		ug/l	1.0	0.32	2
1,1,1-Trichloroethane	ND		ug/l	1.0	0.32	2
Bromodichloromethane	1.2		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	0.51	2
Bromoform	ND		ug/l	4.0	0.50	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.38	2
Benzene	ND		ug/l	1.0	0.39	2
Toluene	ND		ug/l	1.5	0.45	2
Ethylbenzene	ND		ug/l	1.0	0.53	2
Chloromethane	ND		ug/l	5.0	0.56	2
Bromomethane	ND		ug/l	2.0	0.51	2
Vinyl chloride	ND		ug/l	2.0	0.45	2
Chloroethane	ND		ug/l	2.0	0.47	2
1,1-Dichloroethene	ND		ug/l	1.0	0.36	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.42	2
Trichloroethene	3.2		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	0.37	2
1,3-Dichlorobenzene	ND		ug/l	5.0	0.37	2
1,4-Dichlorobenzene	ND		ug/l	5.0	0.43	2



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-04 D
 Client ID: MW-1S
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 11:25
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.0	0.32	2
p/m-Xylene	ND		ug/l	2.0	0.70	2
o-Xylene	ND		ug/l	2.0	0.66	2
cis-1,2-Dichloroethene	0.71	J	ug/l	1.0	0.37	2
Dibromomethane	ND		ug/l	10	0.73	2
1,2,3-Trichloropropane	ND		ug/l	10	0.86	2
Acrylonitrile	ND		ug/l	10	0.86	2
Styrene	ND		ug/l	2.0	0.72	2
Dichlorodifluoromethane	ND		ug/l	10	0.60	2
Acetone	ND		ug/l	10	3.1	2
Carbon disulfide	ND		ug/l	10	0.60	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	0.62	2
4-Methyl-2-pentanone	ND		ug/l	10	0.83	2
2-Hexanone	ND		ug/l	10	1.2	2
Bromochloromethane	ND		ug/l	5.0	0.66	2
2,2-Dichloropropane	ND		ug/l	5.0	0.80	2
1,2-Dibromoethane	ND		ug/l	4.0	0.38	2
1,3-Dichloropropane	ND		ug/l	5.0	0.42	2
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Bromobenzene	ND		ug/l	5.0	0.37	2
n-Butylbenzene	ND		ug/l	1.0	0.39	2
sec-Butylbenzene	ND		ug/l	1.0	0.36	2
tert-Butylbenzene	ND		ug/l	5.0	0.60	2
o-Chlorotoluene	ND		ug/l	5.0	0.36	2
p-Chlorotoluene	ND		ug/l	5.0	0.37	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	0.65	2
Hexachlorobutadiene	ND		ug/l	1.2	0.46	2
Isopropylbenzene	ND		ug/l	1.0	0.37	2
p-Isopropyltoluene	ND		ug/l	1.0	0.38	2
Naphthalene	ND		ug/l	5.0	0.43	2
n-Propylbenzene	ND		ug/l	1.0	0.35	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	0.47	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.44	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	0.42	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	0.54	2
1,4-Diethylbenzene	ND		ug/l	4.0	0.22	2
4-Ethyltoluene	ND		ug/l	4.0	0.83	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	0.19	2



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-04 D
 Client ID: MW-1S
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 11:25
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/l	5.0	0.41	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	0.35	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-05
 Client ID: MW-1D
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 15:20
 Analyst: PD

Date Collected: 07/20/11 16:25
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	0.90		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	6.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.21	J	ug/l	0.75	0.21	1
Trichloroethene	1.7		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-05
 Client ID: MW-1D
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 16:25
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-05

Date Collected: 07/20/11 16:25

Client ID: MW-1D

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-06
 Client ID: MW-2S
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 15:54
 Analyst: PD

Date Collected: 07/20/11 10:30
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Methylene chloride						
	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	13		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	10		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	0.63		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.46	J	ug/l	0.75	0.21	1
Trichloroethene	0.36	J	ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-06

Date Collected: 07/20/11 10:30

Client ID: MW-2S

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Analyzed by GC/MS - Aroclor 1248 Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	0.20	J	ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-06

Date Collected: 07/20/11 10:30

Client ID: MW-2S

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS Westborough Lab

Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-07
 Client ID: MW-2D
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 16:29
 Analyst: PD

Date Collected: 07/20/11 14:55
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	1.1		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	9.6		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.40	J	ug/l	0.75	0.21	1
Trichloroethene	0.95		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-07

Date Collected: 07/20/11 14:55

Client ID: MW-2D

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by GC/MS - Passborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-07

Date Collected: 07/20/11 14:55

Client ID: MW-2D

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Values determined by GC/MS at Zefon International						
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Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-08
 Client ID: MW-3S
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 17:03
 Analyst: PD

Date Collected: 07/20/11 08:36
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles by GC/MS						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	14		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	0.73		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	1.1		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	0.29	J	ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.65	J	ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-08

Date Collected: 07/20/11 08:36

Client ID: MW-3S

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-08

Date Collected: 07/20/11 08:36

Client ID: MW-3S

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-09
 Client ID: MW-3D
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 17:38
 Analyst: PD

Date Collected: 07/20/11 14:10
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	1.8		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	20		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	0.27	J	ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	0.51	J	ug/l	0.75	0.21	1
Trichloroethene	1.1		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-09
 Client ID: MW-3D
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 14:10
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	0.34	J	ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-09

Date Collected: 07/20/11 14:10

Client ID: MW-3D

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Validated by GC/MS - Westborough Lab						
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Ethyl ether	ND		ug/l	2.5	0.20	1
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trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-10 D2
 Client ID: MW-4
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/27/11 10:07
 Analyst: PD

Date Collected: 07/20/11 12:50
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by GC/MS - Westborough Lab						
Tetrachloroethene	470		ug/l	5.0	1.8	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-10 D
 Client ID: MW-4
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 07/26/11 18:12
 Analyst: PD

Date Collected: 07/20/11 12:50
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	1.3	2.5
1,1-Dichloroethane	ND		ug/l	1.9	0.54	2.5
Chloroform	15		ug/l	1.9	0.49	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.41	2.5
1,2-Dichloropropane	ND		ug/l	4.4	0.74	2.5
Dibromochloromethane	ND		ug/l	1.2	0.47	2.5
1,1,2-Trichloroethane	ND		ug/l	1.9	0.65	2.5
Tetrachloroethene	440	E	ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	1.2	0.48	2.5
Trichlorofluoromethane	ND		ug/l	6.2	0.67	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.40	2.5
1,1,1-Trichloroethane	ND		ug/l	1.2	0.40	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	0.64	2.5
Bromoform	ND		ug/l	5.0	0.62	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.48	2.5
Benzene	ND		ug/l	1.2	0.48	2.5
Toluene	ND		ug/l	1.9	0.57	2.5
Ethylbenzene	ND		ug/l	1.2	0.66	2.5
Chloromethane	ND		ug/l	6.2	0.70	2.5
Bromomethane	ND		ug/l	2.5	0.64	2.5
Vinyl chloride	ND		ug/l	2.5	0.56	2.5
Chloroethane	ND		ug/l	2.5	0.58	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.45	2.5
trans-1,2-Dichloroethene	0.67	J	ug/l	1.9	0.53	2.5
Trichloroethene	14		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	0.54	2.5



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-10 D
 Client ID: MW-4
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 12:50
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.40	2.5
p/m-Xylene	ND		ug/l	2.5	0.87	2.5
o-Xylene	ND		ug/l	2.5	0.82	2.5
cis-1,2-Dichloroethene	4.3		ug/l	1.2	0.47	2.5
Dibromomethane	ND		ug/l	12	0.91	2.5
1,2,3-Trichloropropane	ND		ug/l	12	1.1	2.5
Acrylonitrile	ND		ug/l	12	1.1	2.5
Styrene	ND		ug/l	2.5	0.90	2.5
Dichlorodifluoromethane	ND		ug/l	12	0.75	2.5
Acetone	ND		ug/l	12	3.9	2.5
Carbon disulfide	ND		ug/l	12	0.75	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	0.78	2.5
4-Methyl-2-pentanone	ND		ug/l	12	1.0	2.5
2-Hexanone	ND		ug/l	12	1.4	2.5
Bromochloromethane	ND		ug/l	6.2	0.82	2.5
2,2-Dichloropropane	ND		ug/l	6.2	0.99	2.5
1,2-Dibromoethane	ND		ug/l	5.0	0.48	2.5
1,3-Dichloropropane	ND		ug/l	6.2	0.53	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	1.2	0.41	2.5
Bromobenzene	ND		ug/l	6.2	0.46	2.5
n-Butylbenzene	ND		ug/l	1.2	0.49	2.5
sec-Butylbenzene	ND		ug/l	1.2	0.45	2.5
tert-Butylbenzene	ND		ug/l	6.2	0.75	2.5
o-Chlorotoluene	ND		ug/l	6.2	0.46	2.5
p-Chlorotoluene	ND		ug/l	6.2	0.46	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	0.82	2.5
Hexachlorobutadiene	ND		ug/l	1.5	0.58	2.5
Isopropylbenzene	ND		ug/l	1.2	0.47	2.5
p-Isopropyltoluene	ND		ug/l	1.2	0.47	2.5
Naphthalene	ND		ug/l	6.2	0.54	2.5
n-Propylbenzene	ND		ug/l	1.2	0.43	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	0.58	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	0.55	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	0.53	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	0.67	2.5
1,4-Diethylbenzene	ND		ug/l	5.0	0.27	2.5
4-Ethyltoluene	ND		ug/l	5.0	1.0	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/l	5.0	0.24	2.5



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-10 D
 Client ID: MW-4
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 12:50
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatiles Analyzed by GC/MS - Wadsworth Lab

Ethyl ether	ND		ug/l	6.2	0.51	2.5
trans-1,4-Dichloro-2-butene	ND		ug/l	6.2	0.43	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-11 D
 Client ID: MW-5
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Water
 Analytical Method: 1.8260B
 Analytical Date: 07/27/11 10:41
 Analyst: PD

Date Collected: 07/20/11 09:35
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	1.3	2.5
1,1-Dichloroethane	ND		ug/l	1.9	0.54	2.5
Chloroform	29		ug/l	1.9	0.49	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.41	2.5
1,2-Dichloropropane	ND		ug/l	4.4	0.74	2.5
Dibromochloromethane	ND		ug/l	1.2	0.47	2.5
1,1,2-Trichloroethane	ND		ug/l	1.9	0.65	2.5
Tetrachloroethene	98		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	1.2	0.48	2.5
Trichlorofluoromethane	ND		ug/l	6.2	0.67	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.40	2.5
1,1,1-Trichloroethane	ND		ug/l	1.2	0.40	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	0.64	2.5
Bromoform	ND		ug/l	5.0	0.62	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.48	2.5
Benzene	ND		ug/l	1.2	0.48	2.5
Toluene	ND		ug/l	1.9	0.57	2.5
Ethylbenzene	ND		ug/l	1.2	0.66	2.5
Chloromethane	ND		ug/l	6.2	0.70	2.5
Bromomethane	ND		ug/l	2.5	0.64	2.5
Vinyl chloride	0.70	J	ug/l	2.5	0.56	2.5
Chloroethane	ND		ug/l	2.5	0.58	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.45	2.5
trans-1,2-Dichloroethene	0.60	J	ug/l	1.9	0.53	2.5
Trichloroethene	5.2		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	0.46	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	0.54	2.5



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-11 D
 Client ID: MW-5
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 09:35
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.40	2.5
p/m-Xylene	ND		ug/l	2.5	0.87	2.5
o-Xylene	ND		ug/l	2.5	0.82	2.5
cis-1,2-Dichloroethene	9.8		ug/l	1.2	0.47	2.5
Dibromomethane	ND		ug/l	12	0.91	2.5
1,2,3-Trichloropropane	ND		ug/l	12	1.1	2.5
Acrylonitrile	ND		ug/l	12	1.1	2.5
Styrene	ND		ug/l	2.5	0.90	2.5
Dichlorodifluoromethane	ND		ug/l	12	0.75	2.5
Acetone	ND		ug/l	12	3.9	2.5
Carbon disulfide	ND		ug/l	12	0.75	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	0.78	2.5
4-Methyl-2-pentanone	ND		ug/l	12	1.0	2.5
2-Hexanone	ND		ug/l	12	1.4	2.5
Bromochloromethane	ND		ug/l	6.2	0.82	2.5
2,2-Dichloropropane	ND		ug/l	6.2	0.99	2.5
1,2-Dibromoethane	ND		ug/l	5.0	0.48	2.5
1,3-Dichloropropane	ND		ug/l	6.2	0.53	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	1.2	0.41	2.5
Bromobenzene	ND		ug/l	6.2	0.46	2.5
n-Butylbenzene	ND		ug/l	1.2	0.49	2.5
sec-Butylbenzene	ND		ug/l	1.2	0.45	2.5
tert-Butylbenzene	ND		ug/l	6.2	0.75	2.5
o-Chlorotoluene	ND		ug/l	6.2	0.46	2.5
p-Chlorotoluene	ND		ug/l	6.2	0.46	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	0.82	2.5
Hexachlorobutadiene	ND		ug/l	1.5	0.58	2.5
Isopropylbenzene	ND		ug/l	1.2	0.47	2.5
p-Isopropyltoluene	ND		ug/l	1.2	0.47	2.5
Naphthalene	ND		ug/l	6.2	0.54	2.5
n-Propylbenzene	ND		ug/l	1.2	0.43	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	0.58	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	0.55	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	0.53	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	0.67	2.5
1,4-Diethylbenzene	ND		ug/l	5.0	0.27	2.5
4-Ethyltoluene	ND		ug/l	5.0	1.0	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/l	5.0	0.24	2.5



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-11 D
 Client ID: MW-5
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 09:35
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatiles by GC/MS Westborough, MA						
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Ethyl ether	ND		ug/l	6.2	0.51	2.5
trans-1,4-Dichloro-2-butene	ND		ug/l	6.2	0.43	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 07/26/11 09:38

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-10 Batch: WG481142-3					
Methylene chloride	ND		ug/l	5.0	0.54
1,1-Dichloroethane	ND		ug/l	0.75	0.22
Chloroform	ND		ug/l	0.75	0.20
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.8	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.19
Trichlorofluoromethane	ND		ug/l	2.5	0.27
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	0.75	0.23
Ethylbenzene	ND		ug/l	0.50	0.26
Chloromethane	ND		ug/l	2.5	0.28
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	1.0	0.23
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 07/26/11 09:38

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s) 04-10 Batch WG481142-3					
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Dibromomethane	ND		ug/l	5.0	0.36
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43
Acrylonitrile	ND		ug/l	5.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.30
Acetone	ND		ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.5	0.33
2,2-Dichloropropane	ND		ug/l	2.5	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,3-Dichloropropane	ND		ug/l	2.5	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16
Bromobenzene	ND		ug/l	2.5	0.18
n-Butylbenzene	ND		ug/l	0.50	0.20
sec-Butylbenzene	ND		ug/l	0.50	0.18
tert-Butylbenzene	ND		ug/l	2.5	0.30
o-Chlorotoluene	ND		ug/l	2.5	0.18
p-Chlorotoluene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	0.50	0.19
p-Isopropyltoluene	ND		ug/l	0.50	0.19
Naphthalene	ND		ug/l	2.5	0.22



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/26/11 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab on samples 104-101 Batch: WG48 m42-3					
n-Propylbenzene	ND		ug/l	0.50	0.17
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27
1,4-Diethylbenzene	ND		ug/l	2.0	0.11
4-Ethyltoluene	ND		ug/l	2.0	0.42
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10
Ethyl ether	ND		ug/l	2.5	0.20
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis

Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 07/27/11 09:33
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG481142-6					
Methylene chloride	ND		ug/l	5.0	0.54
1,1-Dichloroethane	ND		ug/l	0.75	0.22
Chloroform	ND		ug/l	0.75	0.20
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.8	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.19
Trichlorofluoromethane	ND		ug/l	2.5	0.27
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	0.75	0.23
Ethylbenzene	ND		ug/l	0.50	0.26
Chloromethane	ND		ug/l	2.5	0.28
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	1.0	0.23
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 07/27/11 09:33

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG48/142-8					
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Dibromomethane	ND		ug/l	5.0	0.36
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43
Acrylonitrile	ND		ug/l	5.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.30
Acetone	ND		ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.5	0.33
2,2-Dichloropropane	ND		ug/l	2.5	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,3-Dichloropropane	ND		ug/l	2.5	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16
Bromobenzene	ND		ug/l	2.5	0.18
n-Butylbenzene	ND		ug/l	0.50	0.20
sec-Butylbenzene	ND		ug/l	0.50	0.18
tert-Butylbenzene	ND		ug/l	2.5	0.30
o-Chlorotoluene	ND		ug/l	2.5	0.18
p-Chlorotoluene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	0.50	0.19
p-Isopropyltoluene	ND		ug/l	0.50	0.19
Naphthalene	ND		ug/l	2.5	0.22



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis

Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 07/27/11 09:33

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatiles by GC/MS - Washborough Lab 10 samples - 10-11 Batch: WG480142-6					
n-Propylbenzene	ND		ug/l	0.50	0.17
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27
1,4-Diethylbenzene	ND		ug/l	2.0	0.11
4-Ethyltoluene	ND		ug/l	2.0	0.42
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10
Ethyl ether	ND		ug/l	2.5	0.20
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 07/27/11 08:04
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG481303-3					
Methylene chloride	ND		ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 07/27/11 08:04

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): Q1-03 Batch: WWS481303-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 07/27/11 08:04

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample 07-01-03 - Batch: WCB070811					
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	94		70-130



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/28/11 08:14
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Walborough Lab for sample(s) 01-02 Batch: IWC48/303-6					
Methylene chloride	ND		ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Method Blank Analysis

Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 07/28/11 08:14

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s) 40102 Batch: WG481303-6					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/28/11 08:14
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics 5 GC/MS - Westborough Lab of sample(s): 01-02 Batch: WWS181803-6					
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	101		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Parameter	LCS		LCSD		%Recovery		RPD		RPD Limits	
	%Recovery	Qual	%Recovery	Qual	Limits					
Volatile Organics by GC/MS - Westborough Lab - Associated sample(s): 104-10, Batch: WG481142-1, WG481142-2										
Chlorobenzene	96		97		75-130		4		20	
Benzene	85		97		76-127		2		20	
Toluene	83		83		76-125		0		20	
1,1-Dichloroethene	91		94		61-145		3		20	
Trichloroethene	83		97		71-120		4		20	
Surrogate										
1,2-Dichloroethane-d4	%Recovery		LCS		LCSD		Acceptance		Criteria	
Toluene-d8	101		99		70-130					
4-Bromofluorobenzene	100		98		70-130					
Dibromofluoromethane	103		102		70-130					
	101		98		70-130					

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Parameter	LCS		LCSD		%Recovery		RPD		RPD_Limits	
	%Recovery	Qual	%Recovery	Qual	Limits		Qual			
Chlorobenzene	96				60-133	2		30		
Benzene	96				66-142	3		30		
Toluene	96				59-139			30		
1,1-Dichloroethene	96				59-172			30		
Trichloroethene	96				62-137	6		30		

Surrogate	LCS		LCSD		Acceptance Criteria	
	%Recovery	Qual	%Recovery	Qual		
1,2-Dichloroethane-d4	107		109		70-130	
Toluene-d8	98		102		70-130	
4-Bromofluorobenzene	107		111		70-130	
Dibromofluoromethane	91		93		70-130	

Lab Control Sample Analysis

Batch Quality Control

Lab Number: L1111021
Report Date: 07/28/11

Project Name:	Not Specified
Project Number:	Not Specified

Parameter	LCS		LCSD		%Recovery		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	%Recovery	Limits			
Volatile Organic Compounds (VOCs) and Pesticides through Law Associated sample(s): 101-02 Batch: 101-02 WC481303-5									
Chlorobenzene	103		99		60-133				30
Benzene	106		102		66-142				30
Toluene	106		101		59-139				30
1,1-Dichloroethene			100		59-172				30
Trichloroethene	102		100		62-137				30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	119		126		70-130
Toluene-d8	112		117		70-130
4-Bromofluorobenzene	118		130		70-130
Dibromofluoromethane	103		110		70-130



INORGANICS & MISCELLANEOUS

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-01

Date Collected: 07/19/11 08:30

Client ID: B-10 (5-6')

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	07/27/11 07:40	30,2540G	JC



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-02
Client ID: B-11 (5-6")
Sample Location: 1199 SUTTER AVE, BROOKLYN
Matrix: Soil

Date Collected: 07/19/11 08:50
Date Received: 07/21/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry / Greenborough Lab										
Solids, Total	88		%	0.10	NA	1	-	07/27/11 07:40	30,2540G	JC



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1111021-03
Client ID: B-12 (9-10')
Sample Location: 1199 SUTTER AVE, BROOKLYN
Matrix: Soil

Date Collected: 07/19/11 09:10
Date Received: 07/21/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1		07/27/11 07:40	30,2540G	JC



Lab Duplicate Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated samples(s): 01 - 03	QC Batch ID: WC481274-1	QC Sample: L111125-1	Client ID: DUF Sample			
Solids, Total	81.	82	%			20



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111021-01A	Vial Large unpreserved	A	N/A	3.3	Y	Absent	TS(7),NYTCL-8260(14)
L1111021-02A	Vial Large unpreserved	A	N/A	3.3	Y	Absent	TS(7),NYTCL-8260(14)
L1111021-03A	Vial Large unpreserved	A	N/A	3.3	Y	Absent	TS(7),NYTCL-8260(14)
L1111021-04A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-04B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-04C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-05A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-05B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-05C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-06A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-06B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-06C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-07A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-07B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-07C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-08A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-08B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-08C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-09A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-09B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-09C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-10A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-10B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-10C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-11A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-11B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1111021-11C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Serial_No:07281113:04

Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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*Values in parentheses indicate holding time in days



Project Name: Not Specified

Lab Number: L1111021

Project Number: Not Specified

Report Date: 07/28/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: DU Report with "J" Qualifiers



Project Name: Not Specified**Lab Number:** L1111021**Project Number:** Not Specified**Report Date:** 07/28/11**Data Qualifiers**

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.**RE** - Analytical results are from sample re-extraction.**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).**ND** - Not detected at the method detection limit (MDL) for the sample.*Report Format:* DU Report with "J" Qualifiers

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111021
Report Date: 07/28/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. **Organic Parameters:** Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). **Microbiology Parameters:** Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. **Organic Parameters:** PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. **Microbiology Parameters:** Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. **Organic Parameters:** PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. **Organic Parameters:** 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. **Organic Parameters:** 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Ti) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. **Organic Parameters:** (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. **Microbiology Parameters:** SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Ti,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics), (608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. **Microbiology Parameters:** (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. **Organic Parameters:** 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500P-E, 4500-S₂-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. **Organic Parameters:** SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065, 1311, 1312, 3005A, 3050B. **Organic Parameters:** SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. **Organic Parameters:** EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CL-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B₅+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S₂-D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. **Organic Parameters:** SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. **Organic Parameters:** SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO₃-F, 2540C, SM 2510B. **Organic Parameters:** EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B. **Organic Parameters:** EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. **Organic Parameters:** EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. **Organic Parameters:** EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH₃-H. **Organic Parameters:** 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S₂⁻D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. **Organic Parameters:** EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, **Organic Parameters:** EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix, SO₄ in a soil matrix.



MJW CORPORATION

Radiation Consulting Professionals

September 16, 2011

Mr. Gregory Ernst
Associated Environmental Services, Ltd.
25 Central Avenue
Hauppauge, NY 11788

Dear Mr. Ernst:

The data reported by Alpha Analytical Laboratories under SDG L1111041 has been reviewed for quality assurance validation. Data was reported for Volatiles for 3 samples as requested by Associated Environmental Services, Ltd. The 3 samples listed below were validated by MJW. The data in this report has either been approved for use or approved with qualification.

- SS-1 (Lab ID: 11041-01)
- IA-1 (Lab ID: 11041-02)
- OA-1 (Lab ID: 11041-03)

If you have any questions concerning this data validation report, please contact me at 585-344-7197.

Very truly yours,

MJW Corporation Inc.

Annette Guilds, CES
Senior Scientist

Approved by:

David A. Dooley, Ph.D., CHP
President, MJW Corporation Inc.

DATA USABILITY SUMMARY REPORT

Site Characterization

1199 Sutter Avenue
Brooklyn, New York

Site ID#224141

NYSDEC Spill No. 0902686

SDG: L1111041

Prepared for

Associated Environmental Services, Ltd.
25 Central Avenue
Hauppauge, New York 11788

September 2011

MJW

MJW Corporation, Inc.
1900 Sweet Home Road
Amherst, NY 14228
(716)-631-8291
Project # 2011-1019

Data Review
1199 Sutter Ave. Brooklyn, NY

Laboratory SDG: L1111041
Reviewer: Annette Guilds
Date Reviewed: 9/16/11

Guidance: USEPA NYSDEC ASP "B" Protocol 2005.
USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2008.

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate? Yes.

2.0 Laboratory Case Narrative

Were problems noted in the laboratory case narrative? Yes.

L1111041-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1111041-01 and -02 were re-analyzed on dilution in order to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1111041-02-The presence of Acetone could not be determined in this sample due to non-target compounds interfering with the identification and quantification of this compound.

L1111041-03 results for Acetone should be considered estimated due to co-elution with a non-target peak. The WG480668-3 LCS recovery for 1,2,4-Trichlorobenzene (138%) is outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits? Yes.

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks? No.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria? No. The LCS recovery for 1,2,4-Trichlorobenzene (138%) is outside the 70%-130% acceptance limit.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria? Yes.

7.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria? Yes.

8.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG? No.

Were MS/MSD recoveries within evaluation criteria? N/A

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples reported as part of this SDG? Yes.

Were Duplicate RPD's within evaluation criteria? Yes.

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG? No.

Were field duplicates within evaluation criteria? N/A.

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported? Yes.

12.0 Additional Qualifications

Were additional qualifications applied? Yes. Some analytes/samples were qualified "UJ" due to out of control continuing calibration data.

13.0 Package Completeness

Analytical completeness for this package is 98.43% (189 usable analytes/192 analytes requested).

**DATA ASSESSMENT NARRATIVE
(ORGANICS)**

ORGANIC DATA ASSESSMENT

Functional Guidelines for Evaluating Organic Analysis

CASE NO.: _____ SDG NO.: L1111041 LABORATORY: Alpha Analytical
SITE: 1199 Sutter Avenue Brooklyn New York

DATA ASSESSMENT

All data were found to be valid and acceptable except those analytes that have been rejected, "R" (unusable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Data is fully usable and acceptable.

Reviewer's
Signature: Annette Genile Date: 9/16/2011

MJW Approval: Dan A. Dady Date: 9/16/2011

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

No action necessary.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No action necessary.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No action necessary.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:

No action necessary.

B) Field or rinse blank contamination:

There are no field blanks or rinse blanks associated with this SDG.

C) Trip blank contamination:

There are no trip blanks associated with this SDG.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".

No action necessary.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

No action necessary.

7. CALIBRATION:

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial

calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in some samples were qualified for %D:

Continuing calibration-VOA's: 1,2,4-trichlorobenzene. Refer to the Summary of sample data qualified form and the data outlier form for samples and analytes affected.

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ± 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction.

No action necessary.

9. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

No action necessary.

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract.

N/A

10. CONTRACT PROBLEMS NON-COMPLIANCE:

none

11. FIELD DOCUMENTATION:

none

12. OTHER PROBLEMS:

none

13. This package contains reextractions, reanalyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified to be used.

none

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

DPO: ☐ Action ☐ FYI

CASE/SAS NO.: _____

LABORATORY: Alpha Analytical

SDG NO.: L1111041

DATA USER: Associated Environmental Services

SOW: _____

REVIEW COMPLETION DATE: 9/16/11

NO. OF SAMPLES: _____ WATER _____ SOIL 3 OTHER _____

REVIEWER: ☐ ESD ☐ ESAT ☒ OTHER, CONTRACTOR MJW Corporation, Inc.

QC ITEM	VOA	BNA	PEST		
HOLDING TIMES	O	N/A	N/A		
GC-MS PERFORMANCE	O	N/A	N/A		
INITIAL CALIBRATIONS	O	N/A	N/A		
CONTINUING CALIBRATIONS	X	N/A	N/A		
FIELD BLANKS (F = N/A)	F	N/A	N/A		
LABORATORY BLANKS	O	N/A	N/A		
SURROGATES	O	N/A	N/A		
MATRIX SPIKE/DUPLICATES	O	N/A	N/A		
QC SAMPLES (LCS, PVS)	X	N/A	N/A		
INTERNAL STANDARDS	O	N/A	N/A		
COMPOUND IDENTIFICATION	O	N/A	N/A		
COMPOUND QUANTITATION	O	N/A	N/A		
SYSTEM PERFORMANCE	O	N/A	N/A		
OVERALL ASSESSMENT	O	N/A	N/A		

O = No problems or minor problems that do not affect data usability.

X = No more than about 5% of the data points are qualified as either estimated or unusable.

M = More than about 5% of the data points are qualified as either estimated or unusable.

Z = More than about 5% of the data points are qualified as unusable.

DPO ACTION ITEMS: _____

AREAS OF CONCERN: _____

DATA REJECTION SUMMARY

Type of Review: Level IV Date: 9/16/11 SDG No.: L1111041
 Site Name: 1199 Sutton Avenue Brooklyn New York Lab Name: Alpha Analytical

Reviewer's Initials: AC Number of Samples: 11

Analytes Rejected Due to Exceeding Review Criteria For:

No. of Compounds/No. of Fractions (Samples)						
	Surrogates	Holding Time	Calibration	Contamination	ID	Total # of Samples
VOA(33)						/ = %
ACID(14)						/ = %
B/N(50)						/ = %
PEST(21)						/ = %
PCB(7)						/ = %

NOTE: ASTERISK (*) INDICATES ADDITIONAL EXCEEDANCES OF REVIEW CRITERIA.

Analytes Estimated Due to Exceeding Review Criteria For:

No. of Compounds/No. of Fractions (Samples)						
	Surrogates	Holding Time	Calibration	Contamination	ID	Total # of Samples
VOA(33)			3			3 /192 = 1.56 %
ACID(14)						/ = %
B/N(50)						/ = %
PEST(21)						/ = %
PCB(7)						/ = %

NOTE: ASTERISK (*) INDICATES ADDITIONAL EXCEEDANCES OF REVIEW CRITERIA.

Summary Data Qualifiers

Summary of Sample Data Qualifiers

SDG # L1111041 Site Name 1199 Sutter Avenue Brooklyn New York[illegible]

Data Outlier Forms

Calibration Quality Control

[illegible]

Accuracy Statements, LCS

[illegible]

CERTIFICATES OF ANALYSIS (COA's)

with Data Validation Qualifiers Added

Project Name:

Lab Number: L1111041

Project Number: Not Specified

Report Date: 07/27/11

SAMPLE RESULTS

Lab ID: L1111041-01 D
 Client ID: SS-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 15:16
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	61.6	55.3	--	262	235	--		276.4
1,1,2,2-Tetrachloroethane	ND	55.3	--	ND	380.	--		276.4
o-Xylene	ND	55.3	--	ND	240	--		276.4
4-Ethyltoluene	ND	55.3	--	ND	272.	--		276.4
1,3,5-Trimethybenzene	ND	55.3	--	ND	272.	--		276.4
1,2,4-Trimethylbenzene	ND	55.3	--	ND	272.	--		276.4
Benzyl chloride	ND	55.3	--	ND	286.	--		276.4
1,3-Dichlorobenzene	ND	55.3	--	ND	332.	--		276.4
1,4-Dichlorobenzene	ND	55.3	--	ND	332.	--		276.4
1,2-Dichlorobenzene	ND	55.3	--	ND	332.	--		276.4
1,2,4-Trichlorobenzene	ND	55.3	--	ND	410.	--	UJ	276.4
Hexachlorobutadiene	ND	55.3	--	ND	590.	--		276.4

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	104		60-140



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-02
 Client ID: IA-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 15:17
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	0.851	0.200	--	3.62	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.681	0.200	--	2.96	0.869	--		1
4-Ethyltoluene	0.386	0.200	--	1.90	0.983	--		1
1,3,5-Trimethybenzene	0.589	0.200	--	2.90	0.983	--		1
1,2,4-Trimethylbenzene	1.76	0.200	--	8.65	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.472	0.200	--	2.84	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	UJ	1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	108		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	110		60-140



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-03
 Client ID: OA-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 15:21
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	45	1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	93		60-140



LABORATORY QA SHEETS

For Out of Limit QA Results



Sample Delivery Group Form

Laboratory Job number: L1111041

Client Account: Associated Environmental Services, Ltd.

Received: 07/21/2011 22:35

Samples Delivered by: COURIER

Call Tracker #

Bill Of Laden N/A

Trackingnum

Coc Present Present

Container Status Intact

Sample IDs

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt N/A

Are samples Properly Preserved? Yes

Initial pH preserved in house with

Final pH

Other Issues

Chlorine Check N/A

Are VOA/VPH Vials Present? No

Aqueous: Do Vials Contain Head Space? N/A

Soils: Is MeOH Covering the Soil? N/A

Reagent H2O Preserved vials Frozen on N/A

Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
N/A	Present/Intact	No	No	-	No	No

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air

The canister certification results are provided as an addendum.

L1111041-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1111041-01 and -02 were re-analyzed on dilution in order to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1111041-02 The presence of Acetone could not be determined in this sample due to non-target compounds

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Case Narrative (continued)


interfering with the identification and quantification of this compound.

L1111041-03 results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG480668-3 LCS recovery for 1,2,4-Trichlorobenzene (138%) is outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kathleen O'Brien

Title: Technical Director/Representative

Date: 07/27/11



3
LAB CONTROL SAMPLE RECOVERY
AIR VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1111041

Matrix: Air

Lab Control Sample - WG480668-31.CS

COMPOUND	SPIKE	SAMPLE	LCS	LCS	LCSD	LCSD	% RPD	QC	
	ADDED ppbV	CONC ppbV	CONC ppbV	% REC	CONC ppbV	% REC		LIMITS RPD	REC.
Chlorodifluoromethane	10	NA	9.60	96	-	-	-	70-130	
Propylene	10	NA	9.36	94	-	-	-	70-130	
Propane	10	NA	9.04	90	-	-	-	70-130	
Dichlorodifluoromethane	10	NA	10.1	101	-	-	-	70-130	
Chloromethane	10	NA	10.5	105	-	-	-	70-130	
Freon-114	10	NA	10.7	107	-	-	-	70-130	
Methanol	50	NA	33.8	68 *	-	-	-	70-130	
Vinyl chloride	10	NA	10.5	105	-	-	-	70-130	
1,3-Butadiene	10	NA	10.1	101	-	-	-	70-130	
Butane	10	NA	11.4	114	-	-	-	70-130	
Bromomethane	10	NA	10.2	102	-	-	-	70-130	
Chloroethane	10	NA	9.89	99	-	-	-	70-130	
Ethanol	50	NA	62.3	125	-	-	-	70-130	
Dichlorofluoromethane	10	NA	10.2	102	-	-	-	70-130	
Vinyl bromide	10	NA	10.2	102	-	-	-	70-130	
Acrolein	10	NA	10.3	103	-	-	-	70-130	
Acetone	10	NA	11.6	116	-	-	-	70-130	
Acetonitrile	10	NA	11.4	114	-	-	-	70-130	
Trichlorofluoromethane	10	NA	10.7	107	-	-	-	70-130	
ISOPROPANOL	10	NA	10.2	102	-	-	-	70-130	
Acrylonitrile	10	NA	10.6	106	-	-	-	70-130	
Pentane	10	NA	10.5	105	-	-	-	70-130	
Ethyl ether	10	NA	10.4	104	-	-	-	70-130	
1,1-Dichloroethene	10	NA	10.2	102	-	-	-	70-130	
Tertiary butyl Alcohol	10	NA	12.1	121	-	-	-	70-130	
Methylene chloride	10	NA	12.1	121	-	-	-	70-130	
3-Chloropropene	10	NA	9.48	95	-	-	-	70-130	
Carbon disulfide	10	NA	8.17	82	-	-	-	70-130	
Freon-113	10	NA	9.27	93	-	-	-	70-130	
trans-1,2-Dichloroethene	10	NA	8.38	84	-	-	-	70-130	
1,1-Dichloroethane	10	NA	8.88	89	-	-	-	70-130	
Methyl tert butyl ether	10	NA	8.56	86	-	-	-	70-130	
Vinyl acetate	10	NA	9.60	96	-	-	-	70-130	
2-Butanone	10	NA	10.0	100	-	-	-	70-130	
cis-1,2-Dichloroethene	10	NA	9.29	93	-	-	-	70-130	
Ethyl Acetate	10	NA	10.2	102	-	-	-	70-130	
Chloroform	10	NA	9.42	94	-	-	-	70-130	
Tetrahydrofuran	10	NA	8.62	86	-	-	-	70-130	
2,2-Dichloropropane	10	NA	8.66	87	-	-	-	70-130	
1,2-Dichloroethane	10	NA	9.14	91	-	-	-	70-130	

* Values outside of QC limits.

COMMENTS: _____

FORM III T015-LL

3
LAB CONTROL SAMPLE RECOVERY
AIR VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1111041

Matrix: Air

Lab Control Sample - WG480668-3LCS

COMPOUND	SPIKE	SAMPLE	LCS	LCS	LCSD	LCSD	% RPD	QC	
	ADDED	CONC	CONC	%	CONC	%		LIMITS	
	ppbV	ppbV	ppbV	REC	ppbV	REC		RPD	REC.
Isopropylbenzene	10	NA	10.2	102	-	-	-	-	70-130
Bromobenzene	10	NA	10.0	100	-	-	-	-	70-130
2-Chlorotoluene	10	NA	9.82	98	-	-	-	-	70-130
n-Propylbenzene	10	NA	10.4	104	-	-	-	-	70-130
4-Chlorotoluene	10	NA	10.4	104	-	-	-	-	70-130
4-Ethyltoluene	10	NA	10.1	101	-	-	-	-	70-130
1,3,5-Trimethybenzene	10	NA	10.4	104	-	-	-	-	70-130
tert-Butylbenzene	10	NA	10.9	109	-	-	-	-	70-130
1,2,4-Trimethylbenzene	10	NA	11.1	111	-	-	-	-	70-130
Decane	10	NA	11.4	114	-	-	-	-	70-130
Benzyl chloride	10	NA	10.6	106	-	-	-	-	70-130
1,3-Dichlorobenzene	10	NA	10.8	108	-	-	-	-	70-130
1,4-Dichlorobenzene	10	NA	11.0	110	-	-	-	-	70-130
sec-Butylbenzene	10	NA	11.4	114	-	-	-	-	70-130
p-Isopropyltoluene	10	NA	10.9	109	-	-	-	-	70-130
1,2-Dichlorobenzene	10	NA	10.7	107	-	-	-	-	70-130
n-Butylbenzene	10	NA	12.7	127	-	-	-	-	70-130
1,2-Dibromo-3-chloroprop	10	NA	12.8	128	-	-	-	-	70-130
Undecane	10	NA	13.3	133 *	-	-	-	-	70-130
Dodecane	10	NA	16.1	161 *	-	-	-	-	70-130
1,2,4-Trichlorobenzene	10	NA	13.8	138 *	-	-	-	-	70-130
Naphthalene	10	NA	14.9	149 *	-	-	-	-	70-130
1,2,3-Trichlorobenzene	10	NA	14.7	147 *	-	-	-	-	70-130
Hexachlorobutadiene	10	NA	11.6	116	-	-	-	-	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III TO15-LL

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1111041

Instrument ID: AIRPIANO1

Calibration Date(s): 06/13/11

06/14/11

Calibration Times: 23:20

04:19

Compound	0.2	0.5	1.0	2.5	5.0	10	20	50	100	Avg	%RSD
98) 1,3,5-trimethylbenzene	4.178	3.927	4.358	4.244	4.563	4.155	5.331	4.392	4.900	4.4499	9.67
99) tert-butylbenzene	4.115	3.749	4.277	4.469	4.933	4.362	5.560	4.032	4.264	4.4179	12.15
100) 1,2,4-trimethylbenzene	4.032	3.490	4.120	4.077	4.519	4.106	5.404	4.437	4.682	4.3196	12.31
101) decane	3.162	2.276	2.334	2.613	3.455	3.077	4.351	3.160	3.572	3.1111	21.02
102) Benzyl Chloride	3.092	2.550	3.069	3.108	3.867	3.656	4.874	4.089	4.775	3.6756	21.83
103) 1,3-dichlorobenzene	3.005	2.598	2.842	2.841	3.319	3.084	3.882	3.324	3.624	3.1688	12.90
104) 1,4-dichlorobenzene	2.772	2.426	2.871	2.759	3.264	3.027	3.879	3.316	3.607	3.1025	14.74
105) sec-butylbenzene	5.292	5.032	5.565	6.337	6.870	6.057	7.789	5.628	6.210	6.0866	14.01
106) 1,2,3-trimethylbenzene	2.887	2.568	3.083	2.662	2.874	2.918	3.837	3.148	3.574	3.0613	13.48
107) p-isopropyltoluene	4.087	3.877	4.412	5.022	5.625	5.108	6.669	4.744	5.300	4.9828	17.06
108) 1,2-dichlorobenzene	2.825	2.436	2.875	2.799	3.141	2.879	3.640	3.023	3.358	2.9972	11.66
109) n-butylbenzene	3.841	3.078	3.544	4.494	5.393	4.823	6.380	4.473	5.182	4.5786	22.13
110) indan	2.787	2.633	2.933	2.526	2.822	2.902	3.691	3.066	3.440	2.9778	12.57
111) indene	1.843	1.608	1.806	1.436	1.670	1.949	2.510	2.108	2.421	1.9280	18.77
112) 1,2-dibromo-3-chloropropane	1.153	1.030	1.089	1.239	1.593	1.428	1.801	1.177	1.461	1.3302	19.33
113) undecane	2.936	1.939	2.158	2.134	3.298	2.924	3.658	2.775	3.831	2.8504	23.72
114) 1,2,4,5-tetramethylbenzene	1.778	1.177	1.481	2.390	3.508	2.762	3.593	1.865	2.506	2.3400	36.31%
115) dodecane	2.571	1.430	1.824	1.786	3.187	2.657	3.374	1.860	2.638	2.3696	28.52
116) 1,2,4-trichlorobenzene	1.563	1.269	1.489	1.403	2.112	1.949	2.640	2.078	2.714	1.9129	27.51
117) naphthalene	2.619	1.871	2.368	2.565	3.865	3.541	4.622	2.928	4.198	3.1751	29.13
118) 1,2,3-trichlorobenzene	1.464	1.066	1.276	1.384	2.078	1.801	2.291	1.342	2.050	1.6391	26.05
119) benzothiophene	1.546	1.322	1.670	1.337	2.041	2.189	2.854	2.032	2.899	1.9877	29.70
120) hexachlorobutadiene	2.274	1.835	2.151	2.330	2.887	2.473	3.269	2.674	3.256	2.5721	19.15
121) 2-methylnaphthalene			0.613	0.762	1.387	0.961	1.207	0.780	1.313	1.0032	30.09%
122) 1-methylnaphthalene			0.824	0.996	1.718	1.396	1.694	0.912	1.595	1.3048	29.59

FORM VI-TO15-LL

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1111041

Instrument ID: AIRPIANO1 Calibration Date: 07/22/2011 Time: 16:12

Lab File ID: R117374 Init. Calib. Date(s): 06/13/11 06/14/11

Sample No: wg480668-2,3,25 Init. Calib. Times : 23:20 04:19

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	bromochloromethane	1.000	1.000	0.0	84	0.00
2	chlorodifluoromethane	1.562	1.499	4.0	64	0.00
3	propylene	0.676	0.633	6.4	72	0.00
4	propane	0.656	0.593	9.6	67	0.00
5	dichlorodifluoromethane	2.259	2.282	-1.0	72	0.02
6	chloromethane	0.964	1.010	-4.8	79	0.02
7	Freon-114	2.452	2.633	-7.4	77	0.00
8	methanol	0.452	0.306	32.3#	55#	0.02
9	vinyl chloride	0.932	0.983	-5.5	76	0.02
10	1,3-butadiene	0.721	0.728	-1.0	76	0.02
11	butane	1.331	1.521	-14.3	85	0.00
13	bromomethane	0.885	0.903	-2.0	76	0.01
14	chloroethane	0.427	0.423	0.9	74	0.02
15	ethanol	0.579	0.722	-24.7	88	0.00
16	dichlorofluoromethane	1.900	1.942	-2.2	72	0.00
17	vinyl bromide	0.787	0.806	-2.4	73	0.01
18	acrolein	0.342	0.351	-2.6	90	0.00
19	acetone	1.695	1.960	-15.6	104	0.01
20	acetonitrile	0.750	0.853	-13.7	103	0.01
21	trichlorofluoromethane	2.808	3.001	-6.9	75	0.01
22	isopropyl alcohol	1.549	1.579	-1.9	94	0.01
23	acrylonitrile	0.644	0.680	-5.6	93	0.00
24	pentane	1.671	1.757	-5.1	76	0.00
25	ethyl ether	1.016	1.055	-3.8	86	0.00
26	1,1-dichloroethene	1.557	1.586	-1.9	75	0.01
27 t	tertiary butyl alcohol	1.387	1.675	-20.8	84	0.00
28	methylene chloride	1.340	1.624	-21.2	97	0.00
29	3-chloropropene	1.191	1.130	5.1	78	0.00
30	carbon disulfide	2.636	2.154	18.3	59#	0.00
31	Freon 113	1.637	1.517	7.3	69	0.00
32	trans-1,2-dichloroethene	1.359	1.139	16.2	64	0.00
33	1,1-dichloroethane	1.502	1.334	11.2	74	0.00
34	MTBE	1.722	1.474	14.4	78	0.00
35	vinyl acetate	2.121	2.035	4.1	93	0.00
36	2-butanone	1.612	1.616	-0.2	86	0.00
37	cis-1,2-dichloroethene	1.137	1.056	7.1	71	0.00
38	Ethyl Acetate	0.235	0.240	-2.1	88	0.00
39	chloroform	1.679	1.582	5.8	75	0.00
40	Tetrahydrofuran	0.959	0.826	13.9	86	-0.01

TALL110613.M Sat Jul 23 13:34:03 2011

1

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2011\110722T\
 Data File : R117374.D
 Acq On : 22 Jul 2011 4:12 pm
 Operator : AIRPIANO1:ry
 Sample : wg480668-2,3,250,250
 Misc : wg480668,ical5978
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 22 16:38:59 2011
 Quant Method : O:\Forensics\Data\AIR1\2011\110722T\TALL110613.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Tue Jun 14 09:05:32 2011

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	chlorobenzene	3.208	3.055	4.8	75	0.00
82	ethylbenzene	5.142	4.737	7.9	75	0.00
84	m+p-xylene	4.045	3.823	5.5	78	0.00
85	bromoform	3.625	3.240	10.6	69	0.00
86	styrene	2.835	2.712	4.3	76	0.00
87	1,1,2,2-tetrachloroethane	3.517	3.837	-9.1	91	0.00
88	o-xylene	4.186	4.158	0.7	82	0.00
89	1,2,3-trichloropropane	2.446	2.581	-5.5	81	0.00
90	nonane	3.609	3.668	-1.6	78	0.00
91 s	bromofluorobenzene	2.670	2.608	2.3	76	0.00
92	isopropylbenzene	5.191	5.312	-2.3	81	0.00
93	bromobenzene	2.974	2.992	-0.6	74	0.00
94	2-chlorotoluene	1.411	1.386	1.8	73	0.00
95	n-propylbenzene	1.375	1.424	-3.6	80	0.00
96	4-chlorotoluene	4.045	4.199	-3.8	79	0.00
97	4-ethyl toluene	5.349	5.409	-1.1	82	0.00
98	1,3,5-trimethylbenzene	4.450	4.647	-4.4	86	0.00
99	tert-butylbenzene	4.418	4.834	-9.4	85	0.00
100	1,2,4-trimethylbenzene	4.320	4.794	-11.0	90	0.00
101	decane	3.111	3.560	-14.4	89	0.00
102	Benzyl Chloride	3.676	3.889	-5.8	82	0.00
103	1,3-dichlorobenzene	3.169	3.430	-8.2	85	0.00
104	1,4-dichlorobenzene	3.102	3.406	-9.8	86	0.00
105	sec-butylbenzene	6.087	6.965	-14.4	88	0.00
107	p-isopropyltoluene	4.983	5.455	-9.5	82	0.00
108	1,2-dichlorobenzene	2.997	3.207	-7.0	86	0.00
109	n-butylbenzene	4.579	5.804	-26.8	92	0.00
112	1,2-dibromo-3-chloropropane	1.330	1.707	-28.3	92	0.00
113	undecane	2.850	3.792	-33.1#	100	0.00
115	dodecane	2.370	3.810	-60.8#	110	0.00
116	1,2,4-trichlorobenzene	1.913	2.632	-37.6#	104	0.00
117	naphthalene	3.175	4.725	-48.8#	103	0.00
118	1,2,3-trichlorobenzene	1.639	2.411	-47.1#	103	0.00
120	hexachlorobutadiene	2.572	2.996	-16.5	93	0.00

* Evaluation of CC level amount vs concentration.

FORM VII TO15-LL

Laboratory Level II Analytical Report



ANALYTICAL REPORT

Lab Number:	L1111041
Client:	Associated Environmental Services, Ltd. 25 Central Avenue Hauppauge, NY 11788
ATTN:	Greg Ernst
Phone:	(631) 234-4280
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	07/27/11

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Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1111041-01	SS-1	1199 SUTTER AVE, BROOKLYN	07/20/11 15:16
L1111041-02	IA-1	1199 SUTTER AVE, BROOKLYN	07/20/11 15:17
L1111041-03	OA-1	1199 SUTTER AVE, BROOKLYN	07/20/11 15:21



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air

The canister certification results are provided as an addendum.

L1111041-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1111041-01 and -02 were re-analyzed on dilution in order to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1111041-02 The presence of Acetone could not be determined in this sample due to non-target compounds

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Case Narrative (continued)

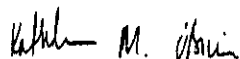
interfering with the identification and quantification of this compound.

L1111041-03 results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG480668-3 LCS recovery for 1,2,4-Trichlorobenzene (138%) is outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kathleen O'Brien

Title: Technical Director/Representative

Date: 07/27/11

AIR



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-01 D
 Client ID: SS-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/23/11 02:45
 Analyst: RY

Date Collected: 07/20/11 15:16
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics In Air (Low Level) - Mansfield Lab								
Propylene	ND	138.	--	ND	238.	--		276.4
Dichlorodifluoromethane	ND	55.3	--	ND	273.	--		276.4
Chloromethane	ND	55.3	--	ND	114.	--		276.4
Freon-114	ND	55.3	--	ND	386.	--		276.4
Vinyl chloride	311	55.3	--	795	141	--		276.4
1,3-Butadiene	ND	55.3	--	ND	122.	--		276.4
Bromomethane	ND	55.3	--	ND	215.	--		276.4
Chloroethane	ND	55.3	--	ND	146.	--		276.4
Ethanol	ND	691	--	ND	1300	--		276.4
Vinyl bromide	ND	55.3	--	ND	242.	--		276.4
Acetone	ND	276	--	ND	656	--		276.4
Trichlorofluoromethane	ND	55.3	--	ND	311.	--		276.4
Isopropanol	ND	138.	--	ND	339.	--		276.4
1,1-Dichloroethene	ND	55.3	--	ND	219	--		276.4
Methylene chloride	ND	276	--	ND	959	--		276.4
3-Chloropropene	ND	55.3	--	ND	173.	--		276.4
Carbon disulfide	ND	55.3	--	ND	172.	--		276.4
Freon-113	485	55.3	--	3720	424	--		276.4
trans-1,2-Dichloroethene	98.4	55.3	--	390	219	--		276.4
1,1-Dichloroethane	94.0	55.3	--	380	224	--		276.4
Methyl tert butyl ether	ND	55.3	--	ND	199.	--		276.4
Vinyl acetate	ND	55.3	--	ND	195.	--		276.4
2-Butanone	ND	55.3	--	ND	163.	--		276.4
cis-1,2-Dichloroethene	966	55.3	--	3830	219	--		276.4



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-01 D

Date Collected: 07/20/11 15:16

Client ID: SS-1

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	ND	138.	--	ND	497.	--		276.4
Chloroform	90.9	55.3	--	444	270	--		276.4
Tetrahydrofuran	ND	55.3	--	ND	163.	--		276.4
1,2-Dichloroethane	133	55.3	--	538	224	--		276.4
n-Hexane	ND	55.3	--	ND	195.	--		276.4
1,1,1-Trichloroethane	737	55.3	--	4020	302	--		276.4
Benzene	ND	55.3	--	ND	177	--		276.4
Carbon tetrachloride	ND	55.3	--	ND	348.	--		276.4
Cyclohexane	ND	55.3	--	ND	190.	--		276.4
1,2-Dichloropropane	ND	55.3	--	ND	256.	--		276.4
Bromodichloromethane	ND	55.3	--	ND	370.	--		276.4
1,4-Dioxane	ND	55.3	--	ND	199.	--		276.4
Trichloroethene	1810	55.3	--	9730	297	--		276.4
2,2,4-Trimethylpentane	ND	55.3	--	ND	258.	--		276.4
Heptane	ND	55.3	--	ND	227.	--		276.4
cis-1,3-Dichloropropene	ND	55.3	--	ND	251.	--		276.4
4-Methyl-2-pentanone	ND	55.3	--	ND	227.	--		276.4
trans-1,3-Dichloropropene	ND	55.3	--	ND	251.	--		276.4
1,1,2-Trichloroethane	ND	55.3	--	ND	302.	--		276.4
Toluene	201	55.3	--	757	208	--		276.4
2-Hexanone	ND	55.3	--	ND	227.	--		276.4
Dibromochloromethane	ND	55.3	--	ND	471.	--		276.4
1,2-Dibromoethane	ND	55.3	--	ND	425.	--		276.4
Tetrachloroethene	66600	55.3	--	452000	375	--	E	276.4
Chlorobenzene	ND	55.3	--	ND	255	--		276.4
Ethylbenzene	76.0	55.3	--	330	240	--		276.4
p/m-Xylene	ND	110	--	ND	478	--		276.4
Bromoform	ND	55.3	--	ND	572.	--		276.4



Lab Number: L1111041

Report Date: 07/27/11

Project Name:

Project Number: Not Specified

SAMPLE RESULTS

Lab ID: L1111041-01 D
 Client ID: SS-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 15:16
 Date Received: 07/21/11
 Field Prep: Not Specified

Sample Location	Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
		Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab	Styrene	61.6	55.3	--	262	235	--		276.4
	1,1,2,2-Tetrachloroethane	ND	55.3	--	ND	380.	--		276.4
	o-Xylene	ND	55.3	--	ND	240	--		276.4
	4-Ethyltoluene	ND	55.3	--	ND	272.	--		276.4
	1,3,5-Trimethylbenzene	ND	55.3	--	ND	272.	--		276.4
	1,2,4-Trimethylbenzene	ND	55.3	--	ND	272.	--		276.4
	Benzyl chloride	ND	55.3	--	ND	286.	--		276.4
	1,3-Dichlorobenzene	ND	55.3	--	ND	332.	--		276.4
	1,4-Dichlorobenzene	ND	55.3	--	ND	332.	--		276.4
	1,2-Dichlorobenzene	ND	55.3	--	ND	332.	--		276.4
	1,2,4-Trichlorobenzene	ND	55.3	--	ND	410.	--		276.4
	Hexachlorobutadiene	ND	55.3	--	ND	590.	--		276.4

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	104		60-140



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-01 D2
 Client ID: SS-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/23/11 10:29
 Analyst: RY

Date Collected: 07/20/11 15:16
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Tetrachloroethene	63200	276	--	428000	1870	--		1382

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	98		60-140



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-02
 Client ID: IA-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/22/11 19:55
 Analyst: RY

Date Collected: 07/20/11 15:17
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	1.11	0.500	--	1.91	0.860	--		1
Dichlorodifluoromethane	0.771	0.200	--	3.81	0.989	--		1
Chloromethane	1.67	0.200	--	3.45	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	531	2.50	--	1000	4.71	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	4.95	0.200	--	27.8	1.12	--		1
Isopropanol	25.0	0.500	--	61.4	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	5.61	0.200	--	16.5	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-02

Date Collected: 07/20/11 15:17

Client ID: IA-1

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	2.25	0.500	--	8.11	1.80	--		1
Chloroform	7.86	0.200	--	38.4	0.977	--		1
Tetrahydrofuran	5.95	0.200	--	17.5	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.21	0.200	--	7.79	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.18	0.200	--	3.77	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.613	0.200	--	2.11	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.249	0.200	--	1.67	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.236	0.200	--	1.27	1.07	--		1
2,2,4-Trimethylpentane	0.349	0.200	--	1.63	0.934	--		1
Heptane	1.23	0.200	--	5.04	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.03	0.200	--	11.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	10.1	0.200	--	68.5	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.391	0.200	--	1.70	0.869	--		1
p/m-Xylene	1.46	0.400	--	6.34	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-02
 Client ID: IA-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN

Date Collected: 07/20/11 15:17
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	0.851	0.200	--	3.62	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.681	0.200	--	2.96	0.869	--		1
4-Ethyltoluene	0.386	0.200	--	1.90	0.983	--		1
1,3,5-Trimethybenzene	0.589	0.200	--	2.90	0.983	--		1
1,2,4-Trimethylbenzene	1.76	0.200	--	8.65	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.472	0.200	--	2.84	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	108		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	110		60-140



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-02 D
 Client ID: IA-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/23/11 09:53
 Analyst: RY

Date Collected: 07/20/11 15:17
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethanol	488	6.25	--	920	11.8	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	113		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	104		60-140



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-03
 Client ID: OA-1
 Sample Location: 1199 SUTTER AVE, BROOKLYN
 Matrix: Air
 Analytical Method: 48.TO-15
 Analytical Date: 07/22/11 19:18
 Analyst: RY

Date Collected: 07/20/11 15:21
 Date Received: 07/21/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	0.482	0.200	--	2.38	0.989	--		1
Chloromethane	0.579	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.91	2.50	--	14.9	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.71	1.00	--	6.44	2.38	--		1
Trichlorofluoromethane	0.249	0.200	--	1.40	1.12	--		1
Isopropanol	0.737	0.500	--	1.81	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.721	0.200	--	2.13	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-03

Date Collected: 07/20/11 15:21

Client ID: OA-1

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.260	0.200	--	0.831	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.520	0.200	--	1.96	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



Project Name:**Lab Number:** L1111041**Project Number:** Not Specified**Report Date:** 07/27/11**SAMPLE RESULTS**

Lab ID: L1111041-03

Date Collected: 07/20/11 15:21

Client ID: OA-1

Date Received: 07/21/11

Sample Location: 1199 SUTTER AVE, BROOKLYN

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	93		60-140



Project Name: Not Specified

Lab Number: L1111041

Project Number: Not Specified

Report Date: 07/27/11

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/22/11 17:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-03 Batch: WG480668-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: Not Specified

Lab Number: L1111041

Project Number: Not Specified

Report Date: 07/27/11

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/22/11 17:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-03 Batch: WG480668-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: Not Specified

Lab Number: L1111041

Project Number: Not Specified

Report Date: 07/27/11

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/22/11 17:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-03 Batch: WG480668-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG480668-3								
Chlorodifluoromethane	96		-		70-130	-		
Propylene	94		-		70-130	-		
Propane	90		-		70-130	-		
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	105		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	107		-		70-130	-		
Methanol	63	Q	-		70-130	-		
Vinyl chloride	105		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Butane	114		-		70-130	-		
Bromomethane	102		-		70-130	-		
Chloroethane	99		-		70-130	-		
Ethyl Alcohol	125		-		70-130	-		
Dichlorofluoromethane	102		-		70-130	-		
Vinyl bromide	102		-		70-130	-		
Acrolein	103		-		70-130	-		
Acetone	116		-		70-130	-		
Acetonitrile	114		-		70-130	-		
Trichlorofluoromethane	107		-		70-130	-		
iso-Propyl Alcohol	102		-		70-130	-		
Acrylonitrile	105		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG480668-3								
Pentane	105	-	-	-	70-130	-	-	-
Ethyl ether	104	-	-	-	70-130	-	-	-
1,1-Dichloroethene	102	-	-	-	70-130	-	-	-
tert-Butyl Alcohol	121	-	-	-	70-130	-	-	-
Methylene chloride	121	-	-	-	70-130	-	-	-
3-Chloropropene	95	-	-	-	70-130	-	-	-
Carbon disulfide	82	-	-	-	70-130	-	-	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	93	-	-	-	70-130	-	-	-
trans-1,2-Dichloroethene	94	-	-	-	70-130	-	-	-
1,1-Dichloroethane	89	-	-	-	70-130	-	-	-
Methyl tert butyl ether	96	-	-	-	70-130	-	-	-
Vinyl acetate	96	-	-	-	70-130	-	-	-
2-Butanone	100	-	-	-	70-130	-	-	-
cis-1,2-Dichloroethane	93	-	-	-	70-130	-	-	-
Ethyl Acetate	102	-	-	-	70-130	-	-	-
Chloroform	94	-	-	-	70-130	-	-	-
Tetrahydrofuran	86	-	-	-	70-130	-	-	-
2,2-Dichloropropane	87	-	-	-	70-130	-	-	-
1,2-Dichloroethane	91	-	-	-	70-130	-	-	-
n-Hexane	95	-	-	-	70-130	-	-	-
Isopropyl Ether	107	-	-	-	70-130	-	-	-



Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG480668-3								
Ethyl-Tert-Butyl-Ether	105	-	-	-	70-130	-	-	-
1,1,1-Trichloroethane	97	-	-	-	70-130	-	-	-
1,1-Dichloropropene	101	-	-	-	70-130	-	-	-
Benzene	99	-	-	-	70-130	-	-	-
Carbon tetrachloride	97	-	-	-	70-130	-	-	-
Cyclohexane	90	-	-	-	70-130	-	-	-
Tertiary-Amyl Methyl Ether	104	-	-	-	70-130	-	-	-
Dibromomethane	101	-	-	-	70-130	-	-	-
1,2-Dichloropropane	103	-	-	-	70-130	-	-	-
Bromodichloromethane	99	-	-	-	70-130	-	-	-
1,4-Dioxane	115	-	-	-	70-130	-	-	-
Trichloroethene	98	-	-	-	70-130	-	-	-
2,2,4-Trimethylpentane	101	-	-	-	70-130	-	-	-
Heptane	98	-	-	-	70-130	-	-	-
2,4,4-Trimethyl-1-Pentene	94	-	-	-	70-130	-	-	-
cis-1,3-Dichloropropene	102	-	-	-	70-130	-	-	-
4-Methyl-2-pentanone	122	-	-	-	70-130	-	-	-
2,4,4-Trimethyl-2-Pentene	98	-	-	-	70-130	-	-	-
trans-1,3-Dichloropropene	89	-	-	-	70-130	-	-	-
1,1,2-Trichloroethane	103	-	-	-	70-130	-	-	-
Toluene	94	-	-	-	70-130	-	-	-



Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	LCS		LCSD		%Recovery		RPD		RPD Limits	
	%Recovery	Qual	%Recovery	Qual	%Recovery	Limits	RPD	Qual	RPD Limits	
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG480668-3										
1,3-Dichloropropane	102	-	-	-	-	70-130	-	-	-	-
2-Hexanone	122	-	-	-	-	70-130	-	-	-	-
Dibromochloromethane	93	-	-	-	-	70-130	-	-	-	-
1,2-Dibromoethane	97	-	-	-	-	70-130	-	-	-	-
Butyl Acetate	118	-	-	-	-	70-130	-	-	-	-
Octane	92	-	-	-	-	70-130	-	-	-	-
Tetrachloroethene	92	-	-	-	-	70-130	-	-	-	-
1,1,1,2-Tetrachloroethane	96	-	-	-	-	70-130	-	-	-	-
Chlorobenzene	95	-	-	-	-	70-130	-	-	-	-
Ethylbenzene	92	-	-	-	-	70-130	-	-	-	-
p/m-Xylene	94	-	-	-	-	70-130	-	-	-	-
Bromoform	89	-	-	-	-	70-130	-	-	-	-
Styrene	98	-	-	-	-	70-130	-	-	-	-
1,1,2,2-Tetrachloroethane	109	-	-	-	-	70-130	-	-	-	-
o-Xylene	99	-	-	-	-	70-130	-	-	-	-
1,2,3-Trichloropropane	106	-	-	-	-	70-130	-	-	-	-
Nonane (C9)	102	-	-	-	-	70-130	-	-	-	-
Isopropylbenzene	102	-	-	-	-	70-130	-	-	-	-
Bromobenzene	100	-	-	-	-	70-130	-	-	-	-
o-Chlorotoluene	98	-	-	-	-	70-130	-	-	-	-
n-Propylbenzene	104	-	-	-	-	70-130	-	-	-	-



Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG480668-3								
p-Chlorotoluene	104		-		70-130	-		
4-Ethyltoluene	101		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
tert-Butylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	111		-		70-130	-		
Decane (C10)	114		-		70-130	-		
Benzyl chloride	106		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
sec-Butylbenzene	114		-		70-130	-		
p-Isopropyltoluene	109		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
n-Butylbenzene	127		-		70-130	-		
1,2-Dibromo-3-chloropropane	126		-		70-130	-		
Undecane	133	Q	-		70-130	-		
Dodecane (C12)	161	Q	-		70-130	-		
1,2,4-Trichlorobenzene	138	Q	-		70-130	-		
Naphthalene	149	Q	-		70-130	-		
1,2,3-Trichlorobenzene	147	Q	-		70-130	-		
Hexachlorobutadiene	116		-		70-130	-		



Lab Duplicate Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG480668-5 QC Sample: L1110975-02 Client ID: DUP						
Propylene	5.89	5.84	ppbV	1		25
Dichlorodifluoromethane	0.556	0.594	ppbV	7		25
Chloromethane	2.25	2.18	ppbV	3		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	0.255	0.233	ppbV	9		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	0.211	ND	ppbV	NC		25
Trichlorofluoromethane	0.254	0.248	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	7.83	7.89	ppbV	1		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	37.9	38.0	ppbV	0		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	0.451	0.474	ppbV	5		25



Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG480668-5 QC Sample: L1110975-02 Client ID: DUP					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.316	0.324	ppbV	3	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	0.348	0.351	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	3.98	3.78	ppbV	5	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25



Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG480668-5 QC Sample: L1110975-02 Client ID: DUP					
o-Xylene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25



Project Name:

Serial_No:07271116:22

Lab Number: L1111041

Project Number:

Report Date: 07/27/11

Canister and Flow Controller Information

Sample Number	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (In. Hg)	Pressure on Receipt (In. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1111041-01	SS-1	0009	#20 AMB		-	-	9.9	9.9	0
L1111041-01	SS-1	766	6.0L Can	L1110016	-29.5	-5.9	-	-	-
L1111041-02	IA-1	0231	#20 AMB		-	-	10.0	9.7	3
L1111041-02	IA-1	806	6.0L Can	L1110016	-29.6	-4.9	-	-	-
L1111041-03	OA-1	0228	#20 AMB		-	-	10.0	10.0	0
L1111041-03	OA-1	1624	6.0L Can	L1110016	-29.4	-5.2	-	-	-



Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01
 Client ID: CAN 1632 SHELF 47
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/08/11 10:06
 Analyst: RY

Date Collected: 06/30/11 00:00
 Date Received: 06/30/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01
 Client ID: CAN 1632 SHELF 47
 Sample Location:

Date Collected: 06/30/11 00:00
 Date Received: 06/30/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Marshfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01
 Client ID: CAN 1632 SHELF 47
 Sample Location:

Date Collected: 06/30/11 00:00
 Date Received: 06/30/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01
 Client ID: CAN 1632 SHELF 47
 Sample Location:

Date Collected: 06/30/11 00:00
 Date Received: 06/30/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organic in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01

Date Collected: 06/30/11 00:00

Client ID: CAN 1632 SHELF 47

Date Received: 06/30/11

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Marshfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	89		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01
Client ID: CAN 1632 SHELF 47
Sample Location:
Matrix: Air
Analytical Method: 48, TO-15-SIM
Analytical Date: 07/08/11 10:06
Analyst: RY

Date Collected: 06/30/11 00:00
Date Received: 06/30/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatiles Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01
 Client ID: CAN 1632 SHELF 47
 Sample Location:

Date Collected: 06/30/11 00:00
 Date Received: 06/30/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	0.072	0.040	--	0.313	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01
 Client ID: CAN 1632 SHELF 47
 Sample Location:

Date Collected: 06/30/11 00:00
 Date Received: 06/30/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-01

Date Collected: 06/30/11 00:00

Client ID: CAN 1632 SHELF 47

Date Received: 06/30/11

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield, MA								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	90		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-02
Client ID: CAN 1546 SHELF 52
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/07/11 19:58
Analyst: RY

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-02
 Client ID: CAN 1546 SHELF 52
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results****Lab ID:** L1110016-02**Date Collected:** 07/07/11 00:00**Client ID:** CAN 1546 SHELF 52**Date Received:** 07/07/11**Sample Location:****Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
All results are below the MDL (Low Level) - Meaningful Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-02
 Client ID: CAN 1546 SHELF 52
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatiles in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results****Lab ID:** L1110016-02**Date Collected:** 07/07/11 00:00**Client ID:** CAN 1546 SHELF 52**Date Received:** 07/07/11**Sample Location:****Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-02
Client ID: CAN 1546 SHELF 52
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/07/11 19:58
Analyst: RY

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatiles in Air by SIM - Labfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-02
 Client ID: CAN 1546 SHELF 52
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatiles in Air - SIM - Manifold 1								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-02
 Client ID: CAN 1546 SHELF 52
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-02
 Client ID: CAN 1546 SHELF 52
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
By SIM - Manual Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
Client ID: CAN 705 SHELF 41
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/15/11 16:26
Analyst: RY

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
Client ID: CAN 705 SHELF 41
Sample Location:

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Ambient Air								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
 Client ID: CAN 705 SHELF 41
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (Low Level) Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
Client ID: CAN 705 SHELF 41
Sample Location:

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
 Client ID: CAN 705 SHELF 41
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
[REDACTED]								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	82		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
Client ID: CAN 705 SHELF 41
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/15/11 16:26
Analyst: RY

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatiles Organics by EPA Method 8131								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
Client ID: CAN 705 SHELF 41
Sample Location:

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
 Client ID: CAN 705 SHELF 41
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatiles - 10 Air By								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-03
 Client ID: CAN 705 SHELF 41
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SW-846 Method								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	89		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-04
Client ID: CAN 111 SHELF 1
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/15/11 17:00
Analyst: RY

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics - 10-15 min. Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-04
 Client ID: CAN 111 SHELF 1
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics (Below 100°C)								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results****Lab ID:** L1110016-04**Date Collected:** 07/07/11 00:00**Client ID:** CAN 111 SHELF 1**Date Received:** 07/07/11**Sample Location:****Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics (20-ppb Level) - Mass V. by GC/MS								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-04
Client ID: CAN 111 SHELF 1
Sample Location:

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatiles in Air (Low Level) - Manganese								
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-04
 Client ID: CAN 111 SHELF 1
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	83		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-04
Client ID: CAN 111 SHELF 1
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/15/11 17:00
Analyst: RY

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-04
 Client ID: CAN 111 SHELF 1
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results****Lab ID:** L1110016-04**Date Collected:** 07/07/11 00:00**Client ID:** CAN 111 SHELF 1**Date Received:** 07/07/11**Sample Location:****Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-04
 Client ID: CAN 111 SHELF 1
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
[REDACTED]								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
Client ID: CAN 1497 SHELF 14
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/12/11 18:35
Analyst: AR

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Air (to 1000 Level) Canister Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
Client ID: CAN 1497 SHELF 14
Sample Location:

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
Client ID: CAN 1497 SHELF 14
Sample Location:

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Organics in Air (Low Level) - Mansfield								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
 Client ID: CAN 1497 SHELF 14
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
 Client ID: CAN 1497 SHELF 14
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air (10-15 min) - Field Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
Client ID: CAN 1497 SHELF 14
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/15/11 17:35
Analyst: RY

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Organics in Air by SIM - Mansfield, OH								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
Client ID: CAN 1497 SHELF 14
Sample Location:

Date Collected: 07/07/11 00:00
Date Received: 07/07/11
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM Method 8210B								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
 Client ID: CAN 1497 SHELF 14
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1110016**Project Number:** CANISTER QC BAT**Report Date:** 07/27/11**Air Canister Certification Results**

Lab ID: L1110016-05
 Client ID: CAN 1497 SHELF 14
 Sample Location:

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Vapor Phase Analysis by AED-SIM - Method 8260-8								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140



AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION

Lab Number: L1110016

Project Number: CANISTER QC BAT

Report Date: 07/27/11

AIR CAN CERTIFICATION RESULTS

Lab ID: L1110016-02
 Client ID: CAN 1546 SHELF 52
 Sample Location: Not Specified
 Matrix: Air
 Analytical Method: 96,APH
 Analytical Date: 07/15/11 14:13
 Analyst: RY

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polycyclic Aromatic Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1



Project Name: BATCH CANISTER CERTIFICATION

Lab Number: L1110016

Project Number: CANISTER QC BAT

Report Date: 07/27/11

AIR CAN CERTIFICATION RESULTS

Lab ID: L1110016-03
 Client ID: CAN 705 SHELF 41
 Sample Location: Not Specified
 Matrix: Air
 Analytical Method: 96,APH
 Analytical Date: 07/15/11 14:51
 Analyst: RY

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Results for Batched Air Canister Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1



Project Name: BATCH CANISTER CERTIFICATION

Lab Number: L1110016

Project Number: CANISTER QC BAT

Report Date: 07/27/11

AIR CAN CERTIFICATION RESULTS

Lab ID: L1110016-04
 Client ID: CAN 111 SHELF 1
 Sample Location: Not Specified
 Matrix: Air
 Analytical Method: 96,APH
 Analytical Date: 07/15/11 15:30
 Analyst: RY

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Particulate Matter (PM) in Air (Mn and Std Lab)						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1



Project Name: BATCH CANISTER CERTIFICATION

Lab Number: L1110016

Project Number: CANISTER QC BAT

Report Date: 07/27/11

AIR CAN CERTIFICATION RESULTS

Lab ID: L1110016-05
 Client ID: CAN 1497 SHELF 14
 Sample Location: Not Specified
 Matrix: Air
 Analytical Method: 96,APH
 Analytical Date: 07/15/11 16:09
 Analyst: RY

Date Collected: 07/07/11 00:00
 Date Received: 07/07/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons (m) - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1



Project Name: Not Specified

Lab Number: L1111041

Project Number: Not Specified

Report Date: 07/27/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111041-01A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1111041-02A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1111041-03A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days



Project Name: Not Specified

Lab Number: L1111041

Project Number: Not Specified

Report Date: 07/27/11

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
- LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI - Not Ignitable.
- RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
- SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report



Project Name: Not Specified

Lab Number: L1111041

Project Number: Not Specified

Report Date: 07/27/11

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1111041
Report Date: 07/27/11

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised July 19, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, SM2540D, 2540G, , EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9050A, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LA000299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

Alpha
AIR A
CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Criteria Checker: NVS DOH

Client: *Associated Env. Services*

Address: 25 Central Ave

Наварроне, NY 11788

Phone: 631 234-4280

Fax: 631 234-4297

Email: 00000@passcenvsks.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

LaTB Deliverables

All Columns Below Must Be Filled Out

[illegible]

***SAMPLE MATRIX CODES**
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time lock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

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