TENEN ENVIRONMENTAL

121 West 27th Street, Suite 1004
New York, NY 10001
(646) 606-2332

March 13, 2014

Ronit Realty LLC
816 Avenue I
Brooklyn, NY 11230

Attn: Michael Weitzman

Re: Soil Source Investigation
87 Kent Avenue – Brooklyn, NY
Block 2309, Lot 5 – OER #13EHAZ248K

Dear Mike:

On January 14 and 15, 2014, Tenen Environmental, LLC (Tenen) conducted environmental investigation activities at the above Site. The purpose of the investigation was to determine if the source of chlorinated solvents detected in a previous investigation was related to prior operations at the Site, or from a potential upgradient source. This memorandum provides a summary of previous investigations and the findings and results of the soil source investigation.

Background
The Site, located at 87 Kent Avenue, Brooklyn, New York, is a rectangular-shaped parcel of approximately 17,000 square feet located on the east side of Kent Avenue, and extending along the south side of North 9th Street. The property has approximately 95 feet of frontage along Kent Avenue and is approximately 175 feet deep. Other addresses associated with the Site are 83-89 Kent Avenue and 44-60 North 9th Street. The tax map designation of the property is Block 2309, Lot 5. The property is occupied by a currently vacant building.

The Site was used as farmland since at least the 1780's and was developed with buildings since at least 1868. Several industrial and commercial uses were noted at the Site, consistent with the character of the neighborhood. The following specific uses were noted at the Site in Tenen's March 13, 2014 Phase I Environmental Site Assessment (ESA), with the first recorded date noted in parenthesis: rubber factory (1868), dwellings and shops (1897), rope dealer (1905), "express office" (1905), junk yard (1916), auto house/garage (1916), diner/luncheonette (1938), coal yard (1942), scrap metal storage (1942), offices (1942), trucking company (1960), parking (1965), warehouse (1981), clothing wholesale (2000) and a restaurant supply company (2005).

Previous Investigations
Phase I ESAs were prepared by Tenen (March 13, 2014) and Hydro Tech Environmental, Corp (HTE) of Commack, NY (October 20, 2005). A draft Remedial Investigation Report (RIR) was prepared by GEI Consultants, Inc. P.C. (GEI) of Huntington Station, NY based on a Phase II environmental site investigation (ESI) completed in August 2013. All previous reports are included in Attachment 4.

The HTE Phase I ESA identified the presence of an underground storage tank (UST) as the only Recognized Environmental Condition (REC). Based on Tenen's Site observations, the UST is no longer present at the Site and it was likely used to store heating oil.

The 2014 Phase I ESA prepared by Tenen identified the following RECs:

- the documented presence of volatile organic compounds, specifically chlorinated solvents, in soil, soil vapor and groundwater above regulatory levels at the Site; and,

- the documented presence of historic fill material with elevated levels of polyaromatic hydrocarbons and metals at the Site.

The Phase II ESI completed by GEI included a geophysical survey and soil, soil vapor and groundwater sampling. Chlorinated solvents, specifically trichloroethylene (TCE) and its degradation compounds, were detected in soil, soil vapor and groundwater at elevated concentrations. The impacts were clustered within samples collected in the southeastern portion of the building. Two other chlorinated solvents, tetrachloroethylene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA), were also detected at elevated levels in soil gas samples. Fill related impacts were also detected in soil.

Geology/Hydrogeology
As detailed in GEI's draft RIR, fill material was encountered at depths up to eight feet below grade (ft-bg) with underlying glacial deposits of fine- to medium-grain sands with varying percentages of fines and gravel; this is consistent with the shallow lithology observed by Tenen.

Based on Sheet 3 of the *USGS Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties (Baskerville, 1990),* bedrock is present at approximately 100 ft-bg.

GEI indicated that groundwater was encountered at depths ranging from 14.69 to 16.00 ft-bg. Groundwater is estimated to flow west, based on *USGS Groundwater Conditions on Long Island* (2010).

Purpose and Investigation Approach
Tenen was retained to investigate the source of the detected TCE concentrations in the south/southeastern portion of the building.

A membrane interface probe (MIP) was advanced at several locations from grade to the groundwater interface, initially targeting the upgradient property border and then extending west and northwest from those locations. Based on the MIP readings, targeted soil sampling was completed in several borings on the following day. The field readings and sample results were compared to investigate the source of TCE impacting the Site.

Field Investigation

MIP Investigation
On January 14, 2014, the MIP was advanced at six locations by Zebra Environmental, Corp. (Zebra) of Lynbrook, NY. MIP locations are shown on Figure 2 and the data logs are included as Attachment 1. The MIP was used to identify potentially-impacted locations for further soil sampling. Due to weather-related impacts, the readings from probe MIP6 were not recorded. The selected MIP included screening of volatile organic compounds (VOCs) using a combination of a photoionization detector (PID), a flame ionization detector (FID) and an electron capture device (ECD). The MIP was advanced using a Geoprobe® direct push unit to groundwater or, at one location, to refusal slightly above the groundwater interface. Advancement of the MIP was stopped every foot to ensure that the soil vapor was representative of the depth, based on response tests completed by the Zebra operator.

VOC responses were detected in the MIP samples collected at the Site. Results were recorded in microvolts, which provides a qualitative description of the contaminant behavior within the soil sampling interval. VOC levels are not reported in parts per million (ppm) as these values are only accurately attainable with a properly measured sample volume. The MIP detector was calibrated by the Zebra operator using TCE as the standard.

Probe MIP1 showed low PID and FID responses throughout the soil column. The PID response indicated a peak detection between 6 and 7 ft-bg; the FID response correlated with the PID reading, showing a subtle bump in the same interval.

FID and PID responses in probes MIP2 and MIP3 are comparable, with notable corresponding peaks within 8 to 10 ft-bg. In addition to peaks in the 8-10 range for MIP3, peak responses by the PID and FID were logged at approximately 4 ft-bg.

The highest relative responses of the PID and FID were detected at probe MIP4, in the 6 to 7 ft-bg interval.

In probe MIP5, the highest responses on the PID and FID were within the 6 to 9 ft-bg interval. Some shallow elevated FID readings were also detected in MIP5, which may be related to methane.

Tenen collected PID readings (calibrated using isobutylene, not TCE) from each probe location following removal of the MIP. Table 1, below, details the PID responses at each location.

Table 1 – PID Readings from MIP Locations

MIP Location	PID Reading (ppm)
MIP1	124
MIP2	242
MIP3	395
MIP4	700
MIP5	350
MIP6	1,630

Soil Sampling

On January 15, 2014, Tenen collected seven soil samples from five borings; however, a total of seven borings were advanced. Drilling was performed by Zebra using a Geoprobe® direct push unit. Sample locations are shown on Figure 2. Lithologic logs are included in Attachment 2. Soil borings were numbered to match the MIP probe numbering.

All soil borings were extended to groundwater or refusal. Soil samples were collected from the intervals with the highest PID readings and analyzed for VOCs. Soil was collected using dedicated acetate liners and samples were placed in laboratory-provided amber glass jars with no headspace. Based on potential presence of petroleum, one sample was also analyzed for semivolatile organic compounds (SVOCs). A summary of sample designations, including the depth interval in parenthesis, PID readings, relative location and applicable notes are included in Table 2, below.

Table 2 – Sample Designations, PID Readings, Relative Locations and Notes

Sample Designation (Depth in ft-bg)	PID Reading (ppm)	Relative Location	Notes
SB1 (8-9)	563	Upgradient	Southern corner of the Site
SB3 (3-4)	217	Upgradient	Northeast of SB1
SB6 (4-5)	720	Site	Approximately 35 feet from southeastern building wall. Potential petroleum in deep (15-15.5) sample.
SB6 (8-9)	232		
SB6 (15-15.5)	110		
SB8 (2-3)	235	Upgradient	Northeast of most locations
SB9 (3-4)	1,350	Site	Approximately 25 feet from southeastern building wall.

Note that two additional borings, SB7 (upgradient to the northeast) and SB10 (approximately 55 feet from the southeastern building wall) were advanced. Elevated PID readings were not detected in either boring and samples were not collected at these locations.

Sample Analysis

The samples were preserved on ice and sent under chain-of-custody documentation to Alpha Analytical, Inc. (Alpha). Alpha is certified by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) as LABIDs 11148 and 11627. All soil samples were analyzed for VOCs and one sample, SB6 (15-15.5), was analyzed for SVOCs.

The soil results were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use soil cleanup objectives (SCOs) as listed in 6 NYCRR Part 375-6.8(a) and Restricted-Residential Use SCOs as listed in 6 NYCRR Part 375-6.8(b) and Commissioner's Policy CP-51 (CP-51).

Sample Results

Soil sample results are included in Tables 5 (VOCs) and 6 (SVOCs) and sample results are shown on Figure 3. Laboratory deliverables are included in Attachment 3.

Soil

TCE was detected in all soil samples. One sample, SB9 (3-4) contained TCE at a concentration of 88 milligrams per kilogram (mg/kg), above the Restricted-Residential SCO of 21 mg/kg. With the exception of samples SB1 (8-9) and SB8 (2-3), TCE was detected in all other samples above the Unrestricted Use SCO of 0.47 mg/kg. Table 3, below, includes the sample designations, PID readings, TCE concentrations and relative locations.

Table 3 – Sample Designations, PID Readings, TCE Concentrations and Relative Locations

Sample Designation (Depth in ft-bg)	PID Reading (ppm)	TCE Concentration (mg/kg)	Relative Location
SB1 (8-9)	563	0.054	Upgradient
SB3 (3-4)	217	1.2	Upgradient
SB6 (4-5)	720	1.2	Site
SB6 (8-9)	232	5.9	
SB6 (15-15.5)	110	9.2	
SB8 (2-3)	235	0.11	Upgradient
SB9 (3-4)	1,350	88	Site

Note: cells highlighted in yellow exceed the Unrestricted Use SCO and cells highlighted in blue exceed the Restricted Residential SCO.

In addition to TCE, samples from boring SB6 contained concentrations of PCE, cis-1,2-dichlorethylene, naphthalene and 1,2,4,5-tetramethylbenzene at estimated concentrations below the Unrestricted Use SCOs. Suspected laboratory artifacts acetone and chloroform were detected in several samples. No SVOCs were detected in sample SB6 (15-15.5).

Analysis

The investigation results were analyzed using four lines of evidence from upgradient locations and locations extending further onto the Site: MIP responses, PID readings from MIP boreholes, PID readings from soil, and the concentration of TCE in soil samples. The average "upgradient" and "site" readings for quantitative parameters and a narrative description of the qualitative parameter (MIP log results) are presented in Table 4, below.

Table 4 – Comparison of Upgradient and Site Data

Parameter \ Relative Location	Upgradient	Site
MIP responses	Lowest PID/FID responses	Highest PID/FID responses
PID readings, average (MIP boreholes)	254 ppm	893 ppm
PID readings, average (Soil samples)	338 ppm	628 ppm
TCE concentrations, average	0.5 mg/kg	38.3 mg/kg

For each parameter, the highest response or concentration was detected from locations within the Site, not along the upgradient border. Based on this spatial distribution, it appears that the source is from the Site.

The results of the investigation are supported by a review of historic maps, which indicates that a scrap metal yard was present at the Site in 1942 in the area of the elevated TCE concentrations. Figure 4 shows the 1942 Sanborn fire insurance map with the soil source investigation locations and TCE results.

Findings and Conclusions

The soil source investigation indicated the following:

- elevated concentrations of TCE have been detected in soil, soil vapor and groundwater in the south/southeastern portion of the 87 Kent Avenue property;
- based on the distribution of TCE impacts, it appears that the source is from the Site; and,
- the findings of the investigation, in conjunction with the documented presence of a scrap metal yard in the area of highest TCE concentrations, are consistent with the presence of an on-Site source.

Please contact us if you need any additional information.

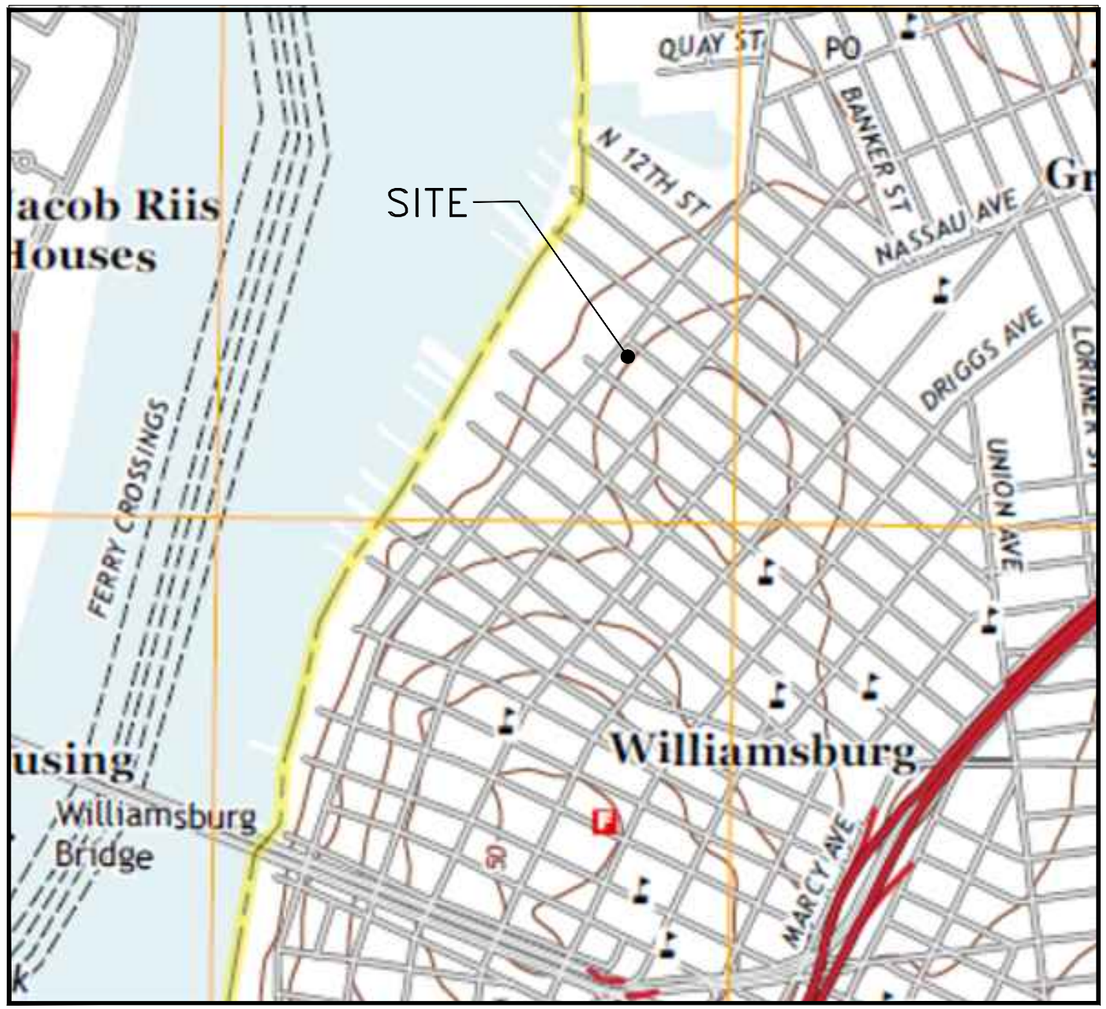
Sincerely,
Tenen Environmental, LLC

Matthew Carroll, P.E.
Principal / Environmental Engineer

Figure 1 Site Location
Figure 2 MIP and Soil Sample Locations
Figure 3 TCE in Soil
Figure 4 TCE in Soil with 1942 Sanborn

Attachment 1 MIP Data Logs
Attachment 2 Lithologic Logs
Attachment 3 Laboratory Deliverables
Attachment 4 Previous Reports

Figures



RE: USGS BROOKLYN–NY QUADRANGLE, 2013
http://www.usgs.gov

0 1,000 2,000
SCALE: 1" = 1,000'

RE: DEPARTMENT OF FINANCE, DIGITAL TAX MAP, 2013
http://gis.nyc.gov/taxmap/map.htm

0 200 400
SCALE: 1" = 200'

RE: DEPARTMENT OF CITY PLANNING ZOLA, 2013
http://gis.nyc.gov/doitt/nycitymap/template?applicationName=ZOLA

0 200 400
SCALE: 1" = 200'

CLIENT
87 KENT AVENUE
BROOKLYN, NY

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DRAWN BY	CHECKED BY	DATE	SCALE:
JM	MC	JANUARY 2014	AS NOTED

DRAWING TITLE: SITE LOCATION

DRAWING NO. FIGURE 1

N

W E

S

KENT AV

N 9 ST

N 9 ST

B-5
SV-5
MW-4

Test Pit

Test Pit

F.O. AST

Assumed GW
Flow Direction

B-6
SV-4
MW-3

Test Pit

B-4
SV-3

5

B-3
SV-2
MW-2

B-1

SB7

SB8

SB10

Test Pit

SB9

SB6

MIP6

MIP5

13

MIP4

SB3

MIP3

MIP2

B-2
SV-1
MW-1

MIP1B

SB1

MIP1A

B-6
SV-4
MW-3 Previous Sample Locations
from GEI September 2013 Sample Location Map

MIP8 Membrane Interface Probe (MIP) Locations

SB9 Soil Boring Locations

1 C1983

e City of New York

BASE MAP: DEPARTMENT OF FINANCE, DIGITAL TAX MAP, 2013
http://gis.nyc.gov/taxmap/map.htm

0 20 40
SCALE: 1" = 20'

CLIENT
87 KENT AVENUE
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DRAWN BY	CHECKED BY	DATE	SCALE:
JM	MC	JANUARY 2014	AS NOTED

DRAWING TITLE:
SAMPLE LOCATIONS

DRAWING NO.
Figure 2

N
W E
S

B-3
SV-2
MW-2

B-1

SB7

SB8
(2–3): 0.11

SB10
(4–5): 1.2
(8–9): 5.9
(15–15.5): 9.2

SB6

SB9
(3–4): 88

MIP6

MIP5

Test Pit

Assumed GW
Flow Direction

25

100

100

13

75

75

(4–5): 1.2
SB3

MIP4

MIP3

B-2
SV-1
MW-1

MIP2

MIP1B

SB1

MIP1A

(8–9): 0.054

B-6
SV-4
MW-3

MIP8

SB9

(4–5): 1.2

Previous Sample Locations
from GEI September 2013 Sample Location Map

Membrane Interface Probe (MIP) Locations

Soil Boring Locations

Sample Depth and TCE concentration in mg/kg

BASE MAP: DEPARTMENT OF FINANCE, DIGITAL TAX MAP, 2013
http://gis.nyc.gov/taxmap/map.htm

0 5 10
SCALE: 1" = 10'

CLIENT
87 KENT AVENUE
BROOKLYN, NY

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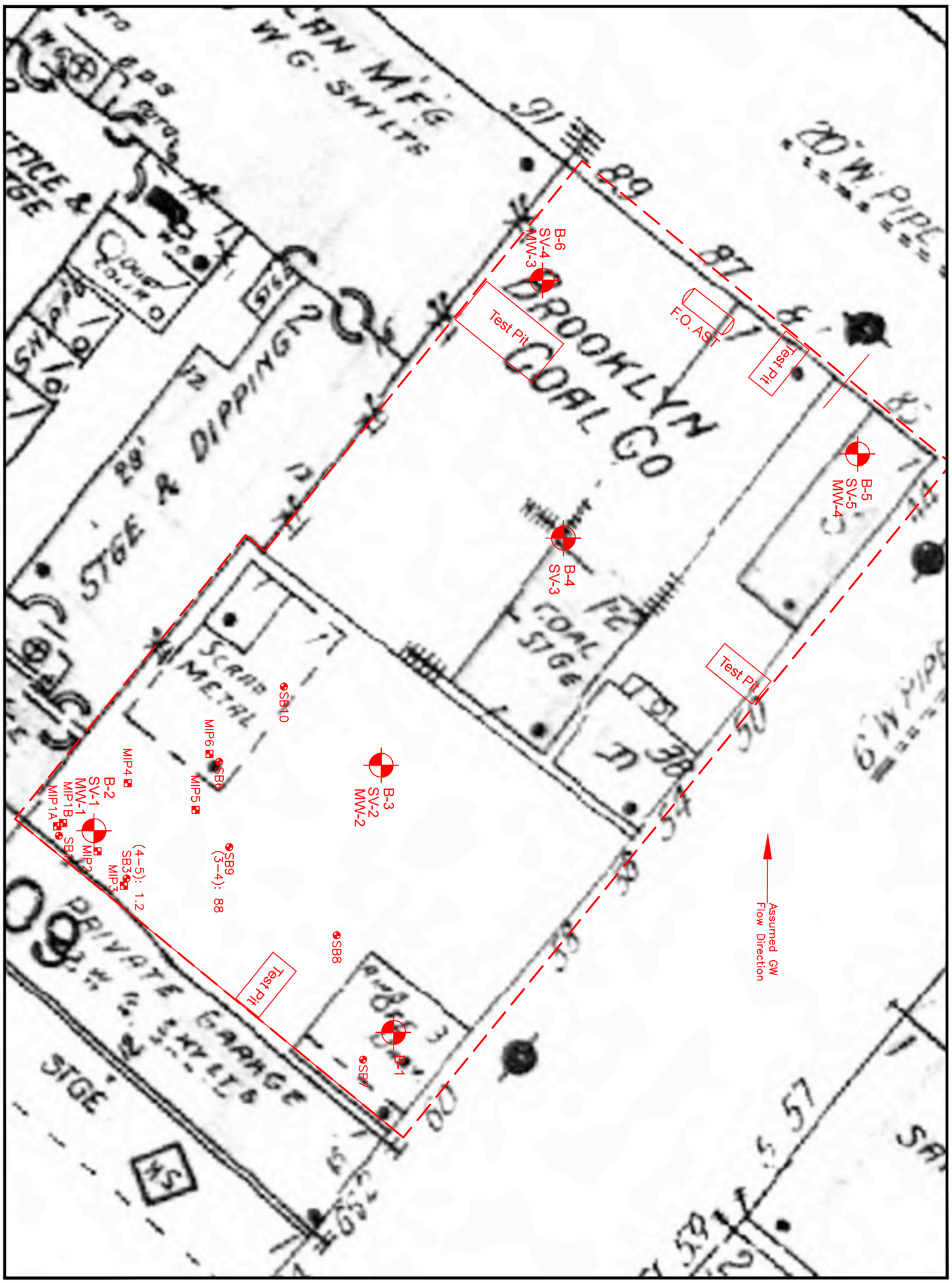
DRAWN BY	CHECKED BY	DATE	SCALE:
JM	MC	JANUARY 2014	AS NOTED

DRAWING TITLE.
SAMPLE LOCATIONS

DRAWING NO.
Figure 2



DRAWING TITLE. SAMPLE LOCATIONS WITH 1942 SANBORN	DRAWN BY JM	CONSULTANT TENEN ENVIRONMENTAL TENEN ENVIRONMENTAL, LLC 121 West 27th Street Suite 1004 New York, NY 10001 O: 646-606-2332 F: 646-606-2379	CLIENT 87 KENT AVENUE BROOKLYN, NY
DRAWING NO. Figure 3	CHECKED BY MC		
	DATE JANUARY 2014		
	SCALE: AS NOTED		

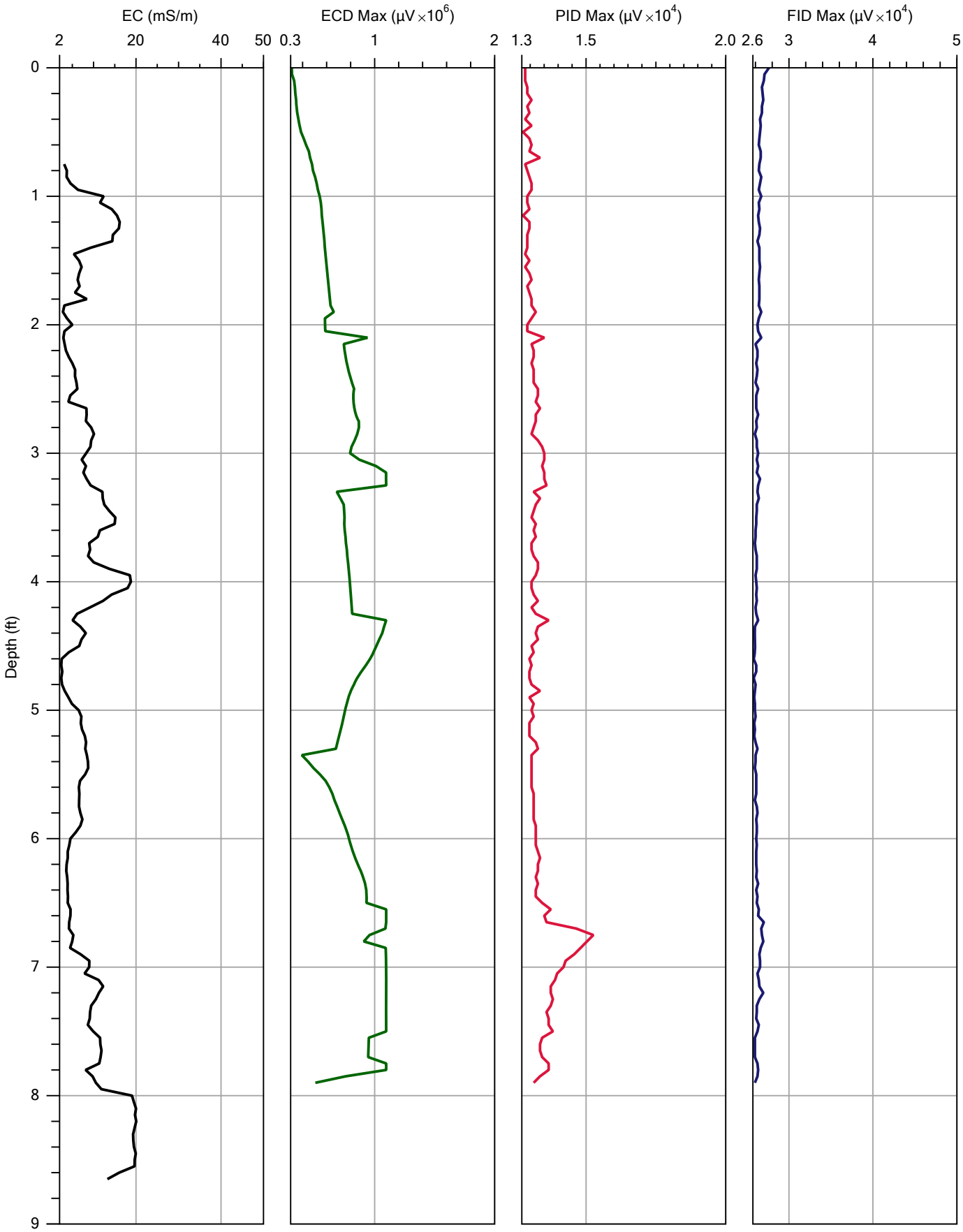
Tables

TABLE 1
Summary of Detected VOCs in Soil Samples
87 Kent Avenue - Brooklyn, NY
OER #13EHAZ248K

LOCATION SAMPLING DATE LAB SAMPLE ID			SB1 (8-9') 1/15/2014 L1401611-05		SB3 (4-5') 1/15/2014 L1401612-01		SB6 (4-5') 1/15/2014 L1401611-01		SB6 (8-9') 1/15/2014 L1401611-02		SB6 (15-15.5') 1/15/2014 L1401611-03		SB8 (2-3') 1/15/2014 L1401611-04		SB9 (3-4') 1/15/2014 L1401612-02	
Volatile Organic Compounds: 8260 Unit: mg/kg	**NY-RESRR**	**NY-UNRES**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Methylene chloride	100	0.05	0.0022	U	0.012	U	0.0056	U	0.013	U	0.012	U	0.0023	U	0.47	U
1,1-Dichloroethane	26	0.27	0.00019	U	0.001	U	0.0005	U	0.0011	U	0.001	U	0.0002	U	0.042	U
Chloroform	49	0.37	0.0004	U	0.0044	J	0.0064		0.0089	J	0.0021	U	0.00071	J	0.087	U
Tetrachloroethene	19	1.3	0.00015	U	0.00083	U	0.0025	J	0.0046	J	0.00081	U	0.00016	U	0.033	U
1,2-Dichloroethane	3.1	0.02	0.00016	U	0.00086	U	0.00041	U	0.00093	U	0.00084	U	0.00016	U	0.034	U
Benzene	4.8	0.06	0.00013	U	0.0007	U	0.00033	U	0.00075	U	0.00068	U	0.00013	U	0.028	U
Vinyl chloride	0.9	0.02	0.00015	U	0.00083	U	0.00039	U	0.0009	U	0.00082	U	0.00016	U	0.033	U
trans-1,2-Dichloroethene	100	0.19	0.00023	U	0.0012	U	0.00059	U	0.0013	U	0.0012	U	0.00024	U	0.05	U
Trichloroethene	21	0.47	0.054		1.2		1.2		5.9		9.2		0.11		88	
1,2-Dichlorobenzene	100	1.1	0.0002	U	0.0011	U	0.00051	U	0.0012	U	0.001	U	0.00021	U	0.043	U
cis-1,2-Dichloroethene	100	0.25	0.00016	U	0.00088	U	0.0025	J	0.0053	J	0.004	J	0.00017	U	0.035	U
Acetone	100	0.05	0.0045	J	0.018	U	0.0087	U	0.024	J	0.022	J	0.0035	U	0.73	U
2-Butanone	100	0.12	0.00038	U	0.0021	U	0.00099	U	0.0023	U	0.002	U	0.0004	U	0.083	U
Naphthalene	100	12	0.00083	U	0.0045	U	0.0022	J	0.0049	U	0.0045	J	0.00087	U	0.18	U
1,4-Dioxane	13	0.1	0.019	U	0.1	U	0.049	U	0.11	U	0.1	U	0.02	U	4.1	U
1,2,4,5-Tetramethylbenzene			0.00014	U	0.00077	U	0.00036	U	0.00083	U	0.0037	J	0.00015	U	0.03	U

NY-RESRR = New York State Part 375 Restricted Residential Use SCOs
NY-UNRES = New York State Part 375 Unrestricted Use SCOs
Cells highlighted in yellow indicate a concentration above the unrestricted use SCO value
Cells highlighted in grey indicate an MDL above the lowest SCO
SCO = Soil Cleanup Objective
MDL = Maximum Detection Limit
RL = Reporting Limit
Qual = Laboratory Data Qualifier
For U qualified entries, the MDL is shown
U = not detected at or above the MDL
For J qualified entries, the estimated concentration is shown
J = estimated value, indicating the detected value is below the RL, but above the MDL
Results and MDL values are in milligrams per kilogram (mg/kg)
Soil sample depths shown in parenthesis are in feet (ft)

Attachment 1
MIP Data Logs



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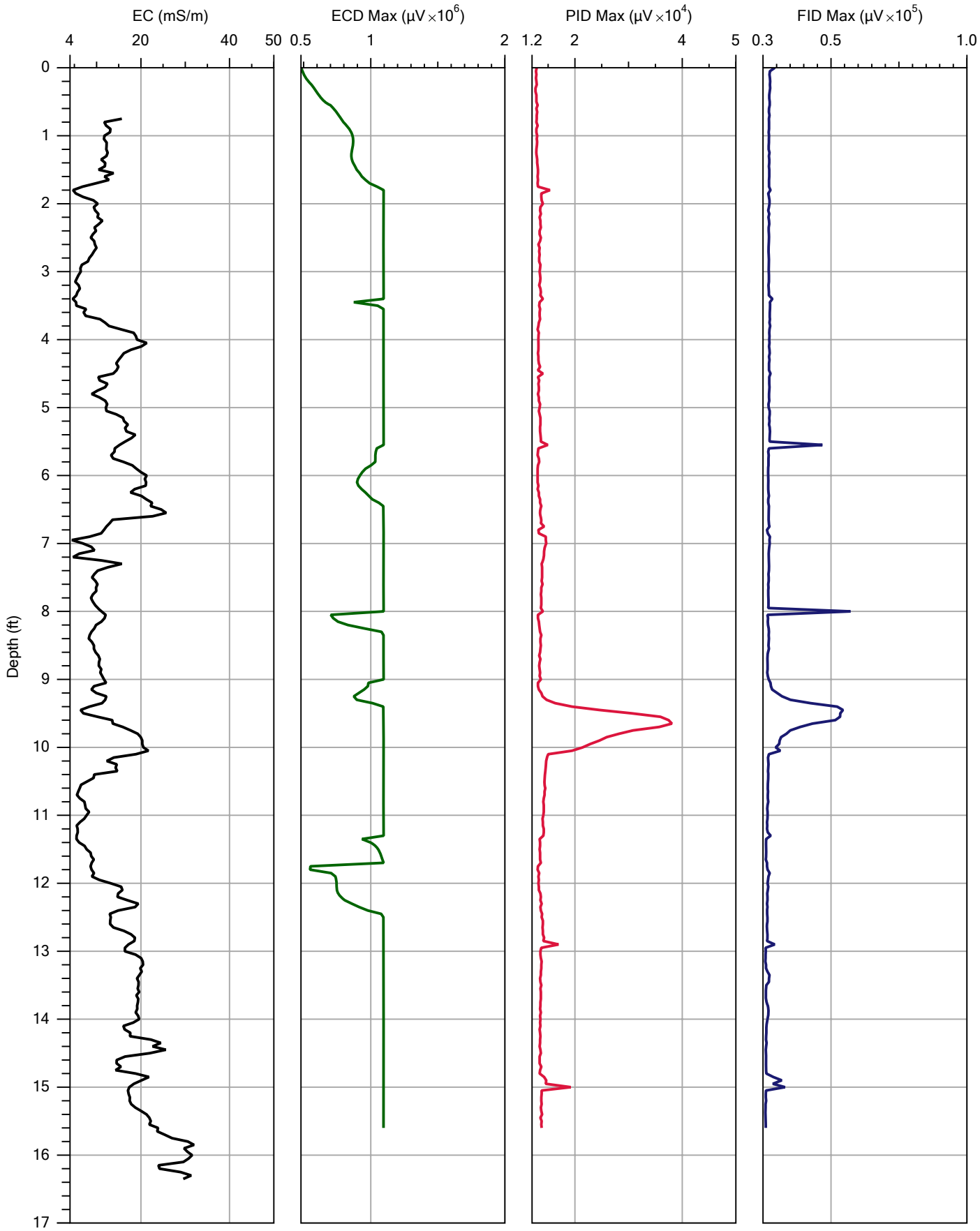
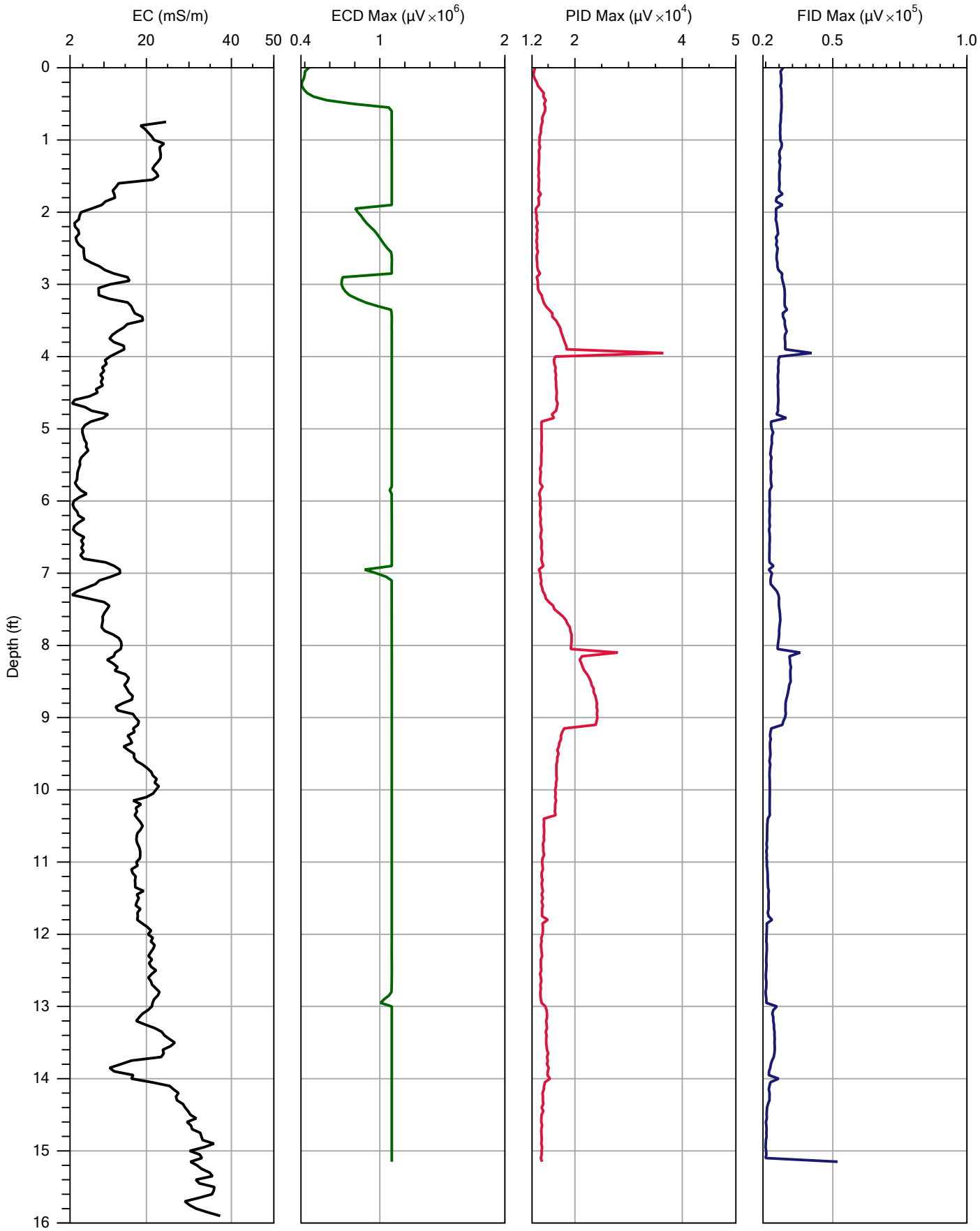
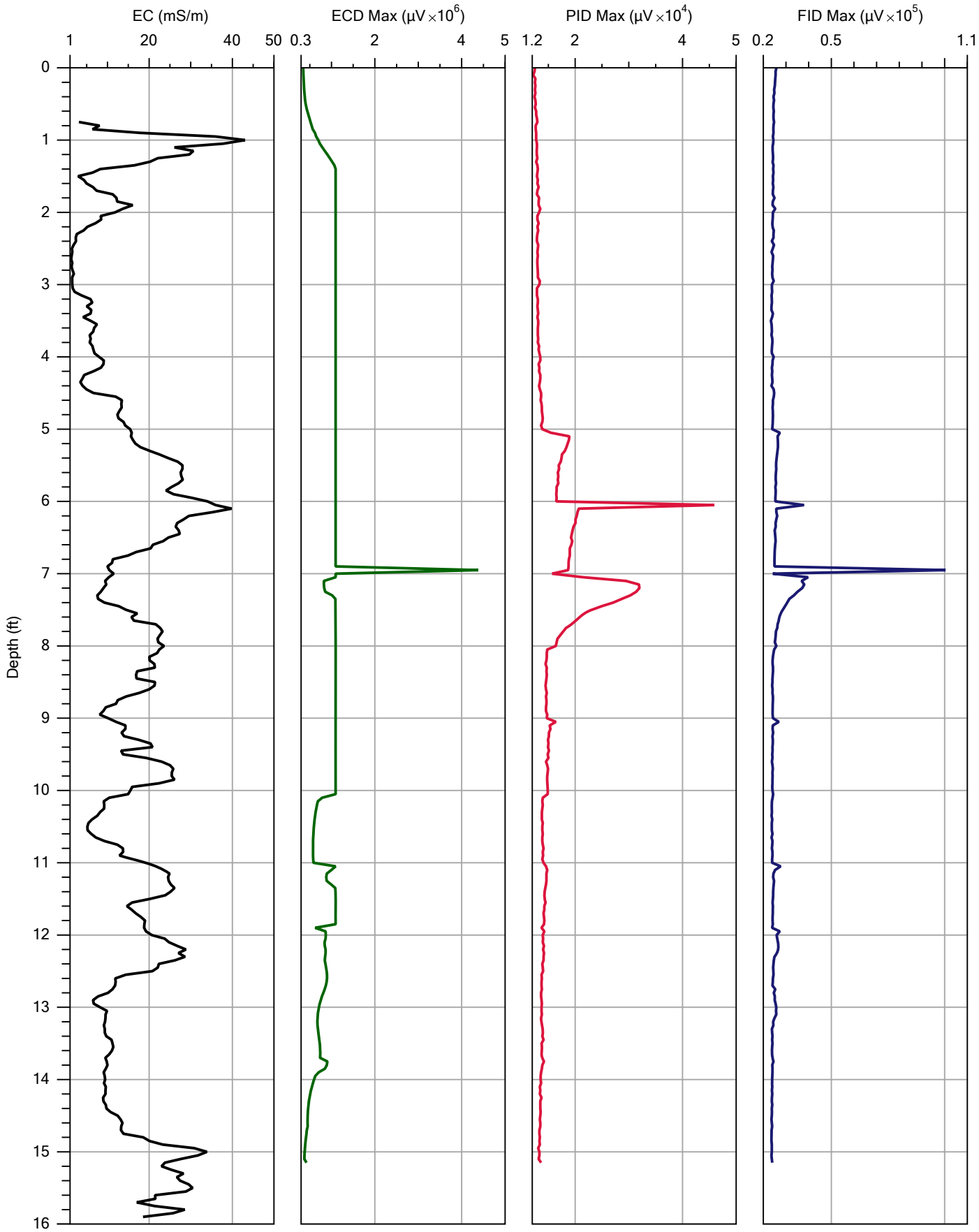
Company: ZEBRA	Operator: Mike		Date: 1/14/2014
Project ID:	Client: Tenen		Location:



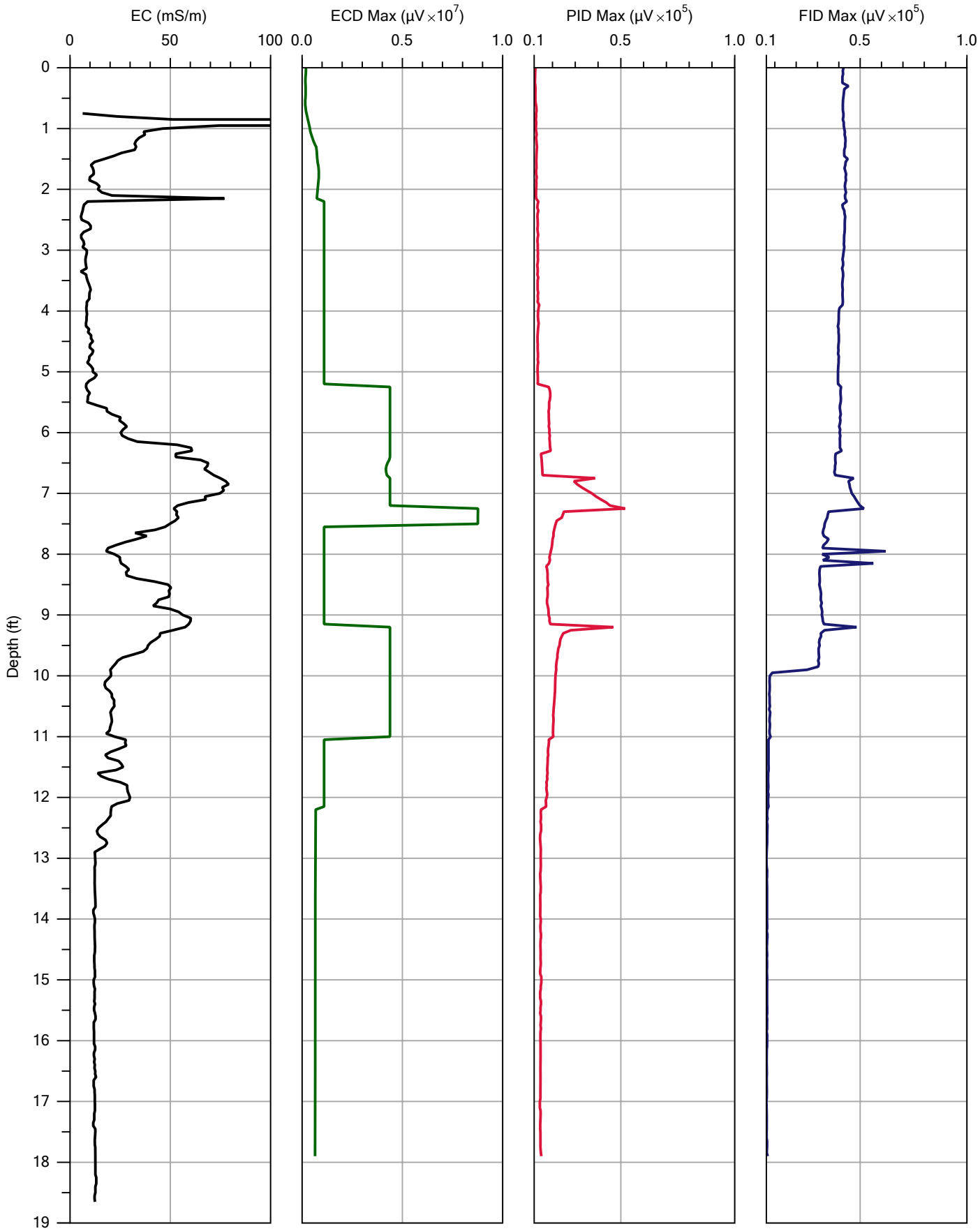
Company: ZEBRA	Operator: Mike	File: MIP2.MIP
Project ID:	Client: Tenen	Date: 1/14/2014
		Location:



			File: MIP3.MIP
Company: ZEBRA	Operator: Mike		Date: 1/14/2014
Project ID:	Client: Tenen		Location:



			File: MIP4.MIP
Company: ZEBRA	Operator: Mike		Date: 1/14/2014
Project ID:	Client: Tenen		Location:



			File: MIP5.MIP
Company: zebra	Operator: mike		Date: 1/14/2014
Project ID:	Client: Tenen		Location:

Attachment 2
Lithologic Logs

TENEN ENVIRONMENTAL

		Boring No.	**SB1**
		Sheet 1	**of 1**
Site:	**87 Kent Avenue - Brooklyn, NY**	**Drilling Method:**	Geoprobe
Date:	**1/15/14**	**Soil Sampling Method:**	Acetate liners
Weather:	**Cloudy, mid 40 deg-F**		
Observer:	**Matthew Carroll**	**Driller :**	Zebra Environmental

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1 2 3 4	11 17	30%		0-4: Concrete to light brown silty fine-to-medium grain SAND, no odor.
5 6 7 8	403 42	50%		4-8: SAA, no odor.
9 10 11 12	563 95	80%	SB1 (8-9)	8-12: SAA, no odor.
13 14 15 16				EOB: 12 ft-bg due to refusal.
21 22 23 24 25				

Notes:
N/A - Not Applicable
SAA - Same as above
EOB - End of Boring
ft-bg - Feet Below Grade
PID - Photoionization Detector
DTW = Depth to Water
GW = Groundwater

TENEN ENVIRONMENTAL

		Boring No.	**SB3**
		Sheet 1	**of 1**
Site:	**87 Kent Avenue - Brooklyn, NY**	**Drilling Method:**	Geoprobe
Date:	**1/15/14**	**Soil Sampling Method:**	Acetate liners
Weather:	**Cloudy, mid 40 deg-F**		
Observer:	**Matthew Carroll**	**Driller :**	Zebra Environmental

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1	217	80%		0-2: Concrete to FILL (brown medium-to-coarse grain sand and concrete chips), no odor.
2				2-4: FILL (light brown silty firm-to-medium grain sand), no odor.
3	40			
4				
5	1208	90%	SB3 (4-5)	4-8: SAA.
6	162			
7	45			
8				
9	132	100%		8-9: 100% recovery to refusal at 9 feet, no odor. 8-12: FILL (light brown silty firm-to-medium grain sand to light brown SILT with fine-to-medium grain sand with pebbles), no odor.
10	34			
11	75			
12	33			
13	25	100%		12-13: FILL (light brown silty firm-to-medium grain sand to light brown silty fine-to-medium grain sand with pebbles), no odor.
14	32			14: Wet.
15	7			EOB: 15 ft-bg.
16				
21				
22				
23				
24				
25				

Notes:
N/A - Not Applicable
SAA - Same as above
EOB - End of Boring
ft-bg - Feet Below Grade
PID - Photoionization Detector
DTW = Depth to Water
GW = Groundwater

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		Boring No.	**SB6**
		Sheet 1	**of 1**
Site:	**87 Kent Avenue - Brooklyn, NY**	**Drilling Method:**	Geoprobe
Date:	**1/15/14**	**Soil Sampling Method:**	Acetate liners
Weather:	**Cloudy, mid 40 deg-F**		
Observer:	**Matthew Carroll**	**Driller :**	Zebra Environmental

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1	87	50%		0-4: Concrete to FILL (dark brown and black sand with concrete and pebbles), no odor.
2	121			
3	267			
4				
5	720	50%	SB6 (4-5)	4-8: light brown silty fine-to-medium grain SAND with mold flecks, no odor.
6	63			
7	56			
8				
9	232	95%	SB6 (8-9)	8-12: light brown silty fine-to-medium grain SAND to light brown SILT with fine grain sand, no odor.
10	162			
11	19			
12	27			
13	106			
14	74	100%		12-12.5: SAA. 12.5-13: dark brown medium-to-coarse grain SAND with pebbles, no odor. 13-14.5: light brown silty fine-to-medium grain SAND, no odor. 14.5: Wet. 15-15.5: Petroleum staining, petroleum odor.
15	110			
16	1.4		SB6 (15-15.5)	EOB: 15.5 ft-bg.
21	110			
22	6			
23				
24				
25				

Notes:
N/A - Not Applicable
SAA - Same as above
EOB - End of Boring
ft-bg - Feet Below Grade
PID - Photoionization Detector
DTW = Depth to Water
GW = Groundwater

TENEN ENVIRONMENTAL

		Boring No.	**SB7**
		Sheet 1	**of 1**
Site:	**87 Kent Avenue - Brooklyn, NY**	**Drilling Method:**	Geoprobe
Date:	**1/15/14**	**Soil Sampling Method:**	Acetate liners
Weather:	**Cloudy, mid 40 deg-F**		
Observer:	**Matthew Carroll**	**Driller :**	Zebra Environmental

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1 – 4	0.0	10%		0-4: FILL (concrete chips), no odor.
5 – 8	0.0	50%		4-8: FILL (gravel and concrete chips to brick with cinders), no odor.
9 – 12				EOB: 8 ft-bg due to refusal.
13 – 16				
21 – 25				

Notes:
N/A - Not Applicable
SAA - Same as above
EOB - End of Boring
ft-bg - Feet Below Grade
PID - Photoionization Detector
DTW = Depth to Water
GW = Groundwater

TENEN ENVIRONMENTAL

		Boring No.	**SB8**
		Sheet 1	**of 1**
Site:	**87 Kent Avenue - Brooklyn, NY**	**Drilling Method:**	Geoprobe
Date:	**1/15/14**	**Soil Sampling Method:**	Acetate liners
Weather:	**Cloudy, mid 40 deg-F**		
Observer:	**Matthew Carroll**	**Driller :**	Zebra Environmental

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1	145	100%		0-3: Concrete to light brown silty fine-to-medium grain SAND, no odor.
2	235		SB8 (2-3)	
3	178			3-4: light brown SILT with fine-to-medium grain SAND, no odor.
4				
5	31	50%		4-6: SAA, no odor.
6	225			6-8: light brown silty medium-to-coarse grain SAND, no odor.
7	25			
8				
9	120	90%		8-12: light brown silty medium-to-coarse grain SAND and some gravel, no odor.
10	34			
11	166			
12				
13				EOB: 12 ft-bg due to refusal.
14				
15				
16				
21				
22				
23				
24				
25				

Notes:

N/A - Not Applicable
SAA - Same as above
EOB - End of Boring
ft-bg - Feet Below Grade
PID - Photoionization Detector
DTW = Depth to Water
GW = Groundwater

TENEN ENVIRONMENTAL

		Boring No.	**SB9**
		Sheet 1	**of 1**
Site:	**87 Kent Avenue - Brooklyn, NY**	**Drilling Method:**	Geoprobe
Date:	**1/15/14**	**Soil Sampling Method:**	Acetate liners
Weather:	**Cloudy, mid 40 deg-F**		
Observer:	**Matthew Carroll**	**Driller :**	Zebra Environmental

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1	330	75%		0-4: Concrete to FILL (brown sand and concrete chips) to light brown silty medium-to-coarse grain SAND, no odor.
2	223			
3	1350		SB9 (3-4)	
4	38			
5	1085	50%		4-8: light brown silty fine-to-medium grain SAND, no odor.
6				
7				
8				
9	605	95%		8-10: SAA, no odor.
10	193			10-12: light brown SILT with fine grain sand, tight formation, no odor.
11	312			
12				
13	742	95%		12-16: brown and red-brown fine-to-medium-coarse grain SAND with silt. Wet at 15.5 ft, with 2 inches of petroleum impacted soil at GW interface.
14	37			
15	3.5			EOB: 15.5 ft-bg.
16	12			
21				
22				
23				
24				
25				

Notes:
N/A - Not Applicable
SAA - Same as above
EOB - End of Boring
ft-bg - Feet Below Grade
PID - Photoionization Detector
DTW = Depth to Water
GW = Groundwater

TENEN ENVIRONMENTAL

		Boring No.	**SB10**
		Sheet 1	**of 1**
Site:	**87 Kent Avenue - Brooklyn, NY**	**Drilling Method:**	Geoprobe
Date:	**1/15/14**	**Soil Sampling Method:**	Acetate liners
Weather:	**Cloudy, mid 40 deg-F**		
Observer:	**Matthew Carroll**	**Driller :**	Zebra Environmental

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1 – 4	4.5 / 6.0	60%		0-4: Concrete to light brown silty fine-to-medium grain SAND, no odor.
5 – 8	8	25%		4-8: SAA, no odor.
9 – 12				EOB: 8 ft-bg due to refusal.
13 – 16				
21 – 25				

Notes:

N/A - Not Applicable
SAA - Same as above
EOB - End of Boring
ft-bg - Feet Below Grade
PID - Photoionization Detector
DTW = Depth to Water
GW = Groundwater

Attachment 3
Laboratory Deliverables

JOB: L1401611 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

ANALYTICAL REPORT

Lab Number:	L1401611
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 1004 New York City, NY
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	87 KENT AVENUE
Project Number:	87K
Report Date:	01/23/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1401611-01	SB6 (4-5)	BROOKLYN, NY	01/15/14 10:45
L1401611-02	SB6 (8-9)	BROOKLYN, NY	01/15/14 10:50
L1401611-03	SB6 (15-15.5)	BROOKLYN, NY	01/15/14 10:55
L1401611-04	SB8 (2-3)	BROOKLYN, NY	01/15/14 13:45
L1401611-05	SB1 (8-9)	BROOKLYN, NY	01/15/14 16:05
L1401611-06	TRIP BLANK	BROOKLYN, NY	01/15/14 00:00

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 87 KENT AVENUE **Lab Number:** L1401611
Project Number: 87K **Report Date:** 01/23/14

Case Narrative (continued)

Report Submission

This is a partial report. A final report will be issued as soon as the results of all requested analyses become available.

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

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 01/23/14

ORGANICS

VOLATILES

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID:	L1401611-01	D2	Date Collected:	01/15/14 10:45
Client ID:	SB6 (4-5)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/22/14 09:05			
Analyst:	BN			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1200		ug/kg	220	34.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID:	L1401611-01	D	Date Collected:	01/15/14 10:45
Client ID:	SB6 (4-5)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/21/14 11:55			
Analyst:	BN			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	5.6	2.5
1,1-Dichloroethane	ND		ug/kg	4.2	0.50	2.5
Chloroform	6.4		ug/kg	4.2	1.0	2.5
Carbon tetrachloride	ND		ug/kg	2.8	0.59	2.5
1,2-Dichloropropane	ND		ug/kg	9.8	0.64	2.5
Dibromochloromethane	ND		ug/kg	2.8	0.86	2.5
1,1,2-Trichloroethane	ND		ug/kg	4.2	0.85	2.5
Tetrachloroethene	2.5	J	ug/kg	2.8	0.39	2.5
Chlorobenzene	ND		ug/kg	2.8	0.97	2.5
Trichlorofluoromethane	ND		ug/kg	14	0.34	2.5
1,2-Dichloroethane	ND		ug/kg	2.8	0.41	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.31	2.5
Bromodichloromethane	ND		ug/kg	2.8	0.64	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.34	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.36	2.5
1,1-Dichloropropene	ND		ug/kg	14	1.3	2.5
Bromoform	ND		ug/kg	11	1.2	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.48	2.5
Benzene	ND		ug/kg	2.8	0.33	2.5
Toluene	ND		ug/kg	4.2	0.31	2.5
Ethylbenzene	ND		ug/kg	2.8	0.41	2.5
Chloromethane	ND		ug/kg	14	2.2	2.5
Bromomethane	ND		ug/kg	5.6	0.94	2.5
Vinyl chloride	ND		ug/kg	5.6	0.39	2.5
Chloroethane	ND		ug/kg	5.6	0.88	2.5
1,1-Dichloroethene	ND		ug/kg	2.8	0.57	2.5
trans-1,2-Dichloroethene	ND		ug/kg	4.2	0.59	2.5
Trichloroethene	5400	E	ug/kg	2.8	0.42	2.5
1,2-Dichlorobenzene	ND		ug/kg	14	0.51	2.5
1,3-Dichlorobenzene	ND		ug/kg	14	0.51	2.5
1,4-Dichlorobenzene	ND		ug/kg	14	0.68	2.5

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-01 D Date Collected: 01/15/14 10:45

Client ID: SB6 (4-5) Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	5.6	0.29	2.5
p/m-Xylene	ND		ug/kg	5.6	0.90	2.5
o-Xylene	ND		ug/kg	5.6	0.76	2.5
cis-1,2-Dichloroethene	2.5	J	ug/kg	2.8	0.42	2.5
Dibromomethane	ND		ug/kg	28	0.46	2.5
Styrene	ND		ug/kg	5.6	0.86	2.5
Dichlorodifluoromethane	ND		ug/kg	28	0.61	2.5
Acetone	ND		ug/kg	28	8.7	2.5
Carbon disulfide	ND		ug/kg	28	5.6	2.5
2-Butanone	ND		ug/kg	28	0.99	2.5
Vinyl acetate	ND		ug/kg	28	1.3	2.5
4-Methyl-2-pentanone	ND		ug/kg	28	0.68	2.5
1,2,3-Trichloropropane	ND		ug/kg	28	0.63	2.5
2-Hexanone	ND		ug/kg	28	0.52	2.5
Bromochloromethane	ND		ug/kg	14	0.55	2.5
2,2-Dichloropropane	ND		ug/kg	14	0.63	2.5
1,2-Dibromoethane	ND		ug/kg	11	0.50	2.5
1,3-Dichloropropane	ND		ug/kg	14	0.48	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.89	2.5
Bromobenzene	ND		ug/kg	14	0.58	2.5
n-Butylbenzene	ND		ug/kg	2.8	0.55	2.5
sec-Butylbenzene	ND		ug/kg	2.8	0.57	2.5
tert-Butylbenzene	ND		ug/kg	14	1.6	2.5
o-Chlorotoluene	ND		ug/kg	14	0.45	2.5
p-Chlorotoluene	ND		ug/kg	14	0.43	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.2	2.5
Hexachlorobutadiene	ND		ug/kg	14	1.2	2.5
Isopropylbenzene	ND		ug/kg	2.8	0.47	2.5
p-Isopropyltoluene	ND		ug/kg	2.8	0.53	2.5
Naphthalene	2.2	J	ug/kg	14	2.1	2.5
Acrylonitrile	ND		ug/kg	28	0.66	2.5
n-Propylbenzene	ND		ug/kg	2.8	0.35	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	14	0.47	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	2.5
1,3,5-Trimethylbenzene	ND		ug/kg	14	0.40	2.5
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	2.5
1,4-Dioxane	ND		ug/kg	280	49.	2.5
1,4-Diethylbenzene	ND		ug/kg	11	0.45	2.5
4-Ethyltoluene	ND		ug/kg	11	0.33	2.5

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-01 D Date Collected: 01/15/14 10:45

Client ID: SB6 (4-5) Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.36	2.5
Ethyl ether	ND		ug/kg	14	0.74	2.5
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1.2	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID:	L1401611-02	D2	Date Collected:	01/15/14 10:50
Client ID:	SB6 (8-9)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/22/14 09:33			
Analyst:	BN			
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	5900		ug/kg	250	39.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID:	L1401611-02	D	Date Collected:	01/15/14 10:50
Client ID:	SB6 (8-9)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/21/14 12:22			
Analyst:	BN			
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	64	13.	5
1,1-Dichloroethane	ND		ug/kg	9.6	1.1	5
Chloroform	8.9	J	ug/kg	9.6	2.4	5
Carbon tetrachloride	ND		ug/kg	6.4	1.3	5
1,2-Dichloropropane	ND		ug/kg	22	1.4	5
Dibromochloromethane	ND		ug/kg	6.4	2.0	5
1,1,2-Trichloroethane	ND		ug/kg	9.6	1.9	5
Tetrachloroethene	4.6	J	ug/kg	6.4	0.89	5
Chlorobenzene	ND		ug/kg	6.4	2.2	5
Trichlorofluoromethane	ND		ug/kg	32	0.77	5
1,2-Dichloroethane	ND		ug/kg	6.4	0.93	5
1,1,1-Trichloroethane	ND		ug/kg	6.4	0.70	5
Bromodichloromethane	ND		ug/kg	6.4	1.4	5
trans-1,3-Dichloropropene	ND		ug/kg	6.4	0.77	5
cis-1,3-Dichloropropene	ND		ug/kg	6.4	0.81	5
1,1-Dichloropropene	ND		ug/kg	32	2.9	5
Bromoform	ND		ug/kg	25	2.6	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	6.4	1.1	5
Benzene	ND		ug/kg	6.4	0.75	5
Toluene	ND		ug/kg	9.6	0.71	5
Ethylbenzene	ND		ug/kg	6.4	0.94	5
Chloromethane	ND		ug/kg	32	5.0	5
Bromomethane	ND		ug/kg	13	2.2	5
Vinyl chloride	ND		ug/kg	13	0.90	5
Chloroethane	ND		ug/kg	13	2.0	5
1,1-Dichloroethene	ND		ug/kg	6.4	1.3	5
trans-1,2-Dichloroethene	ND		ug/kg	9.6	1.3	5
Trichloroethene	9200	E	ug/kg	6.4	0.97	5
1,2-Dichlorobenzene	ND		ug/kg	32	1.2	5
1,3-Dichlorobenzene	ND		ug/kg	32	1.2	5
1,4-Dichlorobenzene	ND		ug/kg	32	1.5	5

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-02 D Date Collected: 01/15/14 10:50

Client ID: SB6 (8-9) Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	13	0.66	5
p/m-Xylene	ND		ug/kg	13	2.0	5
o-Xylene	ND		ug/kg	13	1.7	5
cis-1,2-Dichloroethene	5.3	J	ug/kg	6.4	0.95	5
Dibromomethane	ND		ug/kg	64	1.0	5
Styrene	ND		ug/kg	13	2.0	5
Dichlorodifluoromethane	ND		ug/kg	64	1.4	5
Acetone	24	J	ug/kg	64	20.	5
Carbon disulfide	ND		ug/kg	64	13.	5
2-Butanone	ND		ug/kg	64	2.3	5
Vinyl acetate	ND		ug/kg	64	3.0	5
4-Methyl-2-pentanone	ND		ug/kg	64	1.6	5
1,2,3-Trichloropropane	ND		ug/kg	64	1.4	5
2-Hexanone	ND		ug/kg	64	1.2	5
Bromochloromethane	ND		ug/kg	32	1.2	5
2,2-Dichloropropane	ND		ug/kg	32	1.4	5
1,2-Dibromoethane	ND		ug/kg	25	1.1	5
1,3-Dichloropropane	ND		ug/kg	32	1.1	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	6.4	2.0	5
Bromobenzene	ND		ug/kg	32	1.3	5
n-Butylbenzene	ND		ug/kg	6.4	1.2	5
sec-Butylbenzene	ND		ug/kg	6.4	1.3	5
tert-Butylbenzene	ND		ug/kg	32	3.6	5
o-Chlorotoluene	ND		ug/kg	32	1.0	5
p-Chlorotoluene	ND		ug/kg	32	0.98	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	32	5.0	5
Hexachlorobutadiene	ND		ug/kg	32	2.7	5
Isopropylbenzene	ND		ug/kg	6.4	1.1	5
p-Isopropyltoluene	ND		ug/kg	6.4	1.2	5
Naphthalene	ND		ug/kg	32	4.9	5
Acrylonitrile	ND		ug/kg	64	1.5	5
n-Propylbenzene	ND		ug/kg	6.4	0.80	5
1,2,3-Trichlorobenzene	ND		ug/kg	32	1.1	5
1,2,4-Trichlorobenzene	ND		ug/kg	32	5.0	5
1,3,5-Trimethylbenzene	ND		ug/kg	32	0.91	5
1,2,4-Trimethylbenzene	ND		ug/kg	32	3.6	5
1,4-Dioxane	ND		ug/kg	640	110	5
1,4-Diethylbenzene	ND		ug/kg	25	1.0	5
4-Ethyltoluene	ND		ug/kg	25	0.74	5

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-02 D Date Collected: 01/15/14 10:50

Client ID: SB6 (8-9) Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	25	0.83	5
Ethyl ether	ND		ug/kg	32	1.7	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	32	2.8	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID:	L1401611-03	D2	Date Collected:	01/15/14 10:55
Client ID:	SB6 (15-15.5)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/22/14 10:01			
Analyst:	BN			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	9200		ug/kg	230	35.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID:	L1401611-03	D	Date Collected:	01/15/14 10:55
Client ID:	SB6 (15-15.5)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/21/14 12:50			
Analyst:	BN			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	58	12.	5
1,1-Dichloroethane	ND		ug/kg	8.7	1.0	5
Chloroform	ND		ug/kg	8.7	2.1	5
Carbon tetrachloride	ND		ug/kg	5.8	1.2	5
1,2-Dichloropropane	ND		ug/kg	20	1.3	5
Dibromochloromethane	ND		ug/kg	5.8	1.8	5
1,1,2-Trichloroethane	ND		ug/kg	8.7	1.8	5
Tetrachloroethene	ND		ug/kg	5.8	0.81	5
Chlorobenzene	ND		ug/kg	5.8	2.0	5
Trichlorofluoromethane	ND		ug/kg	29	0.70	5
1,2-Dichloroethane	ND		ug/kg	5.8	0.84	5
1,1,1-Trichloroethane	ND		ug/kg	5.8	0.64	5
Bromodichloromethane	ND		ug/kg	5.8	1.3	5
trans-1,3-Dichloropropene	ND		ug/kg	5.8	0.70	5
cis-1,3-Dichloropropene	ND		ug/kg	5.8	0.74	5
1,1-Dichloropropene	ND		ug/kg	29	2.6	5
Bromoform	ND		ug/kg	23	2.4	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	5.8	0.99	5
Benzene	ND		ug/kg	5.8	0.68	5
Toluene	ND		ug/kg	8.7	0.65	5
Ethylbenzene	ND		ug/kg	5.8	0.85	5
Chloromethane	ND		ug/kg	29	4.5	5
Bromomethane	ND		ug/kg	12	2.0	5
Vinyl chloride	ND		ug/kg	12	0.82	5
Chloroethane	ND		ug/kg	12	1.8	5
1,1-Dichloroethene	ND		ug/kg	5.8	1.2	5
trans-1,2-Dichloroethene	ND		ug/kg	8.7	1.2	5
Trichloroethene	11000	E	ug/kg	5.8	0.88	5
1,2-Dichlorobenzene	ND		ug/kg	29	1.0	5
1,3-Dichlorobenzene	ND		ug/kg	29	1.0	5
1,4-Dichlorobenzene	ND		ug/kg	29	1.4	5

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-03 D Date Collected: 01/15/14 10:55

Client ID: SB6 (15-15.5) Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	12	0.60	5
p/m-Xylene	ND		ug/kg	12	1.9	5
o-Xylene	ND		ug/kg	12	1.6	5
cis-1,2-Dichloroethene	4.0	J	ug/kg	5.8	0.86	5
Dibromomethane	ND		ug/kg	58	0.94	5
Styrene	ND		ug/kg	12	1.8	5
Dichlorodifluoromethane	ND		ug/kg	58	1.3	5
Acetone	22	J	ug/kg	58	18.	5
Carbon disulfide	ND		ug/kg	58	12.	5
2-Butanone	ND		ug/kg	58	2.0	5
Vinyl acetate	ND		ug/kg	58	2.8	5
4-Methyl-2-pentanone	ND		ug/kg	58	1.4	5
1,2,3-Trichloropropane	ND		ug/kg	58	1.3	5
2-Hexanone	ND		ug/kg	58	1.1	5
Bromochloromethane	ND		ug/kg	29	1.1	5
2,2-Dichloropropane	ND		ug/kg	29	1.3	5
1,2-Dibromoethane	ND		ug/kg	23	1.0	5
1,3-Dichloropropane	ND		ug/kg	29	1.0	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	5.8	1.8	5
Bromobenzene	ND		ug/kg	29	1.2	5
n-Butylbenzene	ND		ug/kg	5.8	1.1	5
sec-Butylbenzene	ND		ug/kg	5.8	1.2	5
tert-Butylbenzene	ND		ug/kg	29	3.2	5
o-Chlorotoluene	ND		ug/kg	29	0.92	5
p-Chlorotoluene	ND		ug/kg	29	0.89	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	29	4.6	5
Hexachlorobutadiene	ND		ug/kg	29	2.4	5
Isopropylbenzene	ND		ug/kg	5.8	0.97	5
p-Isopropyltoluene	ND		ug/kg	5.8	1.1	5
Naphthalene	4.5	J	ug/kg	29	4.4	5
Acrylonitrile	ND		ug/kg	58	1.4	5
n-Propylbenzene	ND		ug/kg	5.8	0.73	5
1,2,3-Trichlorobenzene	ND		ug/kg	29	0.97	5
1,2,4-Trichlorobenzene	ND		ug/kg	29	4.6	5
1,3,5-Trimethylbenzene	ND		ug/kg	29	0.83	5
1,2,4-Trimethylbenzene	ND		ug/kg	29	3.3	5
1,4-Dioxane	ND		ug/kg	580	100	5
1,4-Diethylbenzene	ND		ug/kg	23	0.92	5
4-Ethyltoluene	ND		ug/kg	23	0.68	5

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-03 D Date Collected: 01/15/14 10:55

Client ID: SB6 (15-15.5) Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	3.7	J	ug/kg	23	0.75	5
Ethyl ether	ND		ug/kg	29	1.5	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	29	2.6	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-04
Client ID: SB8 (2-3)
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/21/14 13:46
Analyst: BN
Percent Solids: 88%

Date Collected: 01/15/14 13:45
Date Received: 01/16/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	0.71	J	ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.52	1
Bromoform	ND		ug/kg	4.5	0.47	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	110		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-04 Date Collected: 01/15/14 13:45

Client ID: SB8 (2-3) Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.36	1
o-Xylene	ND		ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.3	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.25	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.3	1
2-Butanone	ND		ug/kg	11	0.40	1
Vinyl acetate	ND		ug/kg	11	0.54	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.25	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.6	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.6	0.63	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.89	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.48	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.6	0.87	1
Acrylonitrile	ND		ug/kg	11	0.27	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.89	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.65	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1
4-Ethyltoluene	ND		ug/kg	4.5	0.13	1

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-04 Date Collected: 01/15/14 13:45

Client ID: SB8 (2-3) Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.6	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID:	L1401611-05	Date Collected:	01/15/14 16:05
Client ID:	SB1 (8-9)	Date Received:	01/16/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	01/21/14 14:13		
Analyst:	BN		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.49	1
Bromoform	ND		ug/kg	4.3	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.36	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	54		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-05 Date Collected: 01/15/14 16:05

Client ID: SB1 (8-9) Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	4.5	J	ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.85	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.4	0.83	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.85	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.17	1
4-Ethyltoluene	ND		ug/kg	4.3	0.13	1

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-05 Date Collected: 01/15/14 16:05

Client ID: SB1 (8-9) Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-06
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/14 14:21
Analyst: MS

Date Collected: 01/15/14 00:00
Date Received: 01/16/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	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	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-06 Date Collected: 01/15/14 00:00

Client ID: TRIP BLANK Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 87 KENT AVENUE **Lab Number:** L1401611

Project Number: 87K **Report Date:** 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-06 Date Collected: 01/15/14 00:00

Client ID: TRIP BLANK Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/21/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG666162-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/21/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG666162-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/21/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG666162-3					
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/22/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG666162-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/22/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG666162-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/22/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG666162-6					
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/14 11:02
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG666499-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
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	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/14 11:02
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG666499-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/14 11:02
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG666499-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG666162-1 WG666162-2								
Methylene chloride	113		109		70-130	4		30
1,1-Dichloroethane	111		105		70-130	6		30
Chloroform	114		110		70-130	4		30
Carbon tetrachloride	110		99		70-130	11		30
1,2-Dichloropropane	114		109		70-130	4		30
Dibromochloromethane	103		102		70-130	1		30
1,1,2-Trichloroethane	104		102		70-130	2		30
Tetrachloroethene	99		90		70-130	10		30
Chlorobenzene	102		98		70-130	4		30
Trichlorofluoromethane	137		122		70-139	12		30
1,2-Dichloroethane	115		114		70-130	1		30
1,1,1-Trichloroethane	113		103		70-130	9		30
Bromodichloromethane	115		111		70-130	4		30
trans-1,3-Dichloropropene	100		98		70-130	2		30
cis-1,3-Dichloropropene	112		108		70-130	4		30
1,1-Dichloropropene	113		102		70-130	10		30
Bromoform	98		96		70-130	2		30
1,1,2,2-Tetrachloroethane	97		97		70-130	0		30
Benzene	112		107		70-130	5		30
Toluene	98		93		70-130	5		30
Ethylbenzene	100		94		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG666162-1 WG666162-2								
Chloromethane	99		92		52-130	7		30
Bromomethane	128		123		57-147	4		30
Vinyl chloride	116		102		67-130	13		30
Chloroethane	121		108		50-151	11		30
1,1-Dichloroethene	112		102		65-135	9		30
trans-1,2-Dichloroethene	112		103		70-130	8		30
Trichloroethene	113		105		70-130	7		30
1,2-Dichlorobenzene	96		94		70-130	2		30
1,3-Dichlorobenzene	96		92		70-130	4		30
1,4-Dichlorobenzene	95		92		70-130	3		30
Methyl tert butyl ether	111		110		66-130	1		30
p/m-Xylene	102		96		70-130	6		30
o-Xylene	102		97		70-130	5		30
cis-1,2-Dichloroethene	115		108		70-130	6		30
Dibromomethane	119		116		70-130	3		30
Styrene	103		98		70-130	5		30
Dichlorodifluoromethane	102		91		30-146	11		30
Acetone	124		113		54-140	9		30
Carbon disulfide	104		94		59-130	10		30
2-Butanone	120		111		70-130	8		30
Vinyl acetate	110		109		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG666162-1 WG666162-2								
4-Methyl-2-pentanone	107		110		70-130	3		30
1,2,3-Trichloropropane	98		94		68-130	4		30
2-Hexanone	96		93		70-130	3		30
Bromochloromethane	119		119		70-130	0		30
2,2-Dichloropropane	110		100		70-130	10		30
1,2-Dibromoethane	100		100		70-130	0		30
1,3-Dichloropropane	101		100		69-130	1		30
1,1,1,2-Tetrachloroethane	102		98		70-130	4		30
Bromobenzene	95		92		70-130	3		30
n-Butylbenzene	97		89		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	94		88		70-130	7		30
p-Chlorotoluene	96		90		70-130	6		30
1,2-Dibromo-3-chloropropane	91		92		68-130	1		30
Hexachlorobutadiene	90		83		67-130	8		30
Isopropylbenzene	94		87		70-130	8		30
p-Isopropyltoluene	95		88		70-130	8		30
Naphthalene	94		94		70-130	0		30
Acrylonitrile	112		113		70-130	1		30
Isopropyl Ether	107		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG666162-1 WG666162-2								
tert-Butyl Alcohol	107		106		70-130	1		30
n-Propylbenzene	96		89		70-130	8		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	96		92		70-130	4		30
1,3,5-Trimethylbenzene	95		90		70-130	5		30
1,2,4-Trimethylbenzene	95		90		70-130	5		30
Methyl Acetate	106		106		51-146	0		30
Ethyl Acetate	111		108		70-130	3		30
Acrolein	96		95		70-130	1		30
Cyclohexane	112		99		59-142	12		30
1,4-Dioxane	121		120		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	117		104		50-139	12		30
1,4-Diethylbenzene	94		89		70-130	5		30
4-Ethyltoluene	95		89		70-130	7		30
1,2,4,5-Tetramethylbenzene	94		91		70-130	3		30
Tetrahydrofuran	122		100		66-130	20		30
Ethyl ether	121		120		67-130	1		30
trans-1,4-Dichloro-2-butene	94		93		70-130	1		30
Methyl cyclohexane	117		104		70-130	12		30
Ethyl-Tert-Butyl-Ether	110		107		70-130	3		30
Tertiary-Amyl Methyl Ether	112		110		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG666162-1 WG666162-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG666162-4 WG666162-5								
Methylene chloride	113		113		70-130	0		30
1,1-Dichloroethane	113		110		70-130	3		30
Chloroform	116		113		70-130	3		30
Carbon tetrachloride	111		106		70-130	5		30
1,2-Dichloropropane	114		112		70-130	2		30
Dibromochloromethane	98		102		70-130	4		30
1,1,2-Trichloroethane	99		102		70-130	3		30
Tetrachloroethene	100		96		70-130	4		30
Chlorobenzene	101		100		70-130	1		30
Trichlorofluoromethane	136		127		70-139	7		30
1,2-Dichloroethane	113		115		70-130	2		30
1,1,1-Trichloroethane	114		110		70-130	4		30
Bromodichloromethane	114		114		70-130	0		30
trans-1,3-Dichloropropene	95		98		70-130	3		30
cis-1,3-Dichloropropene	109		111		70-130	2		30
1,1-Dichloropropene	115		110		70-130	4		30
Bromoform	89		93		70-130	4		30
1,1,2,2-Tetrachloroethane	88		92		70-130	4		30
Benzene	114		111		70-130	3		30
Toluene	98		96		70-130	2		30
Ethylbenzene	100		98		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG666162-4 WG666162-5								
Chloromethane	104		92		52-130	12		30
Bromomethane	133		122		57-147	9		30
Vinyl chloride	116		109		67-130	6		30
Chloroethane	135		124		50-151	8		30
1,1-Dichloroethene	116		109		65-135	6		30
trans-1,2-Dichloroethene	113		110		70-130	3		30
Trichloroethene	116		112		70-130	4		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	93		93		70-130	0		30
Methyl tert butyl ether	107		110		66-130	3		30
p/m-Xylene	102		99		70-130	3		30
o-Xylene	102		101		70-130	1		30
cis-1,2-Dichloroethene	115		114		70-130	1		30
Dibromomethane	113		117		70-130	3		30
Styrene	102		101		70-130	1		30
Dichlorodifluoromethane	102		95		30-146	7		30
Acetone	**146**	Q	**142**	Q	54-140	3		30
Carbon disulfide	106		101		59-130	5		30
2-Butanone	**131**	Q	**131**	Q	70-130	0		30
Vinyl acetate	103		108		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG666162-4 WG666162-5								
4-Methyl-2-pentanone	98		104		70-130	6		30
1,2,3-Trichloropropane	88		91		68-130	3		30
2-Hexanone	103		102		70-130	1		30
Bromochloromethane	118		120		70-130	2		30
2,2-Dichloropropane	113		107		70-130	5		30
1,2-Dibromoethane	95		99		70-130	4		30
1,3-Dichloropropane	96		99		69-130	3		30
1,1,1,2-Tetrachloroethane	102		100		70-130	2		30
Bromobenzene	92		92		70-130	0		30
n-Butylbenzene	98		94		70-130	4		30
sec-Butylbenzene	96		92		70-130	4		30
tert-Butylbenzene	94		90		70-130	4		30
o-Chlorotoluene	94		92		70-130	2		30
p-Chlorotoluene	94		92		70-130	2		30
1,2-Dibromo-3-chloropropane	80		88		68-130	10		30
Hexachlorobutadiene	92		88		67-130	4		30
Isopropylbenzene	94		90		70-130	4		30
p-Isopropyltoluene	95		92		70-130	3		30
Naphthalene	86		91		70-130	6		30
Acrylonitrile	101		108		70-130	7		30
Isopropyl Ether	107		107		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG666162-4 WG666162-5								
tert-Butyl Alcohol	92		101		70-130	9		30
n-Propylbenzene	95		92		70-130	3		30
1,2,3-Trichlorobenzene	93		96		70-130	3		30
1,2,4-Trichlorobenzene	94		95		70-130	1		30
1,3,5-Trimethylbenzene	95		93		70-130	2		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
Methyl Acetate	95		101		51-146	6		30
Ethyl Acetate	99		106		70-130	7		30
Acrolein	81		87		70-130	7		30
Cyclohexane	113		105		59-142	7		30
1,4-Dioxane	106		118		65-136	11		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		111		50-139	7		30
1,4-Diethylbenzene	96		92		70-130	4		30
4-Ethyltoluene	94		92		70-130	2		30
1,2,4,5-Tetramethylbenzene	94		94		70-130	0		30
Tetrahydrofuran	94		102		66-130	8		30
Ethyl ether	117		120		67-130	3		30
trans-1,4-Dichloro-2-butene	84		88		70-130	5		30
Methyl cyclohexane	119		109		70-130	9		30
Ethyl-Tert-Butyl-Ether	108		110		70-130	2		30
Tertiary-Amyl Methyl Ether	107		110		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG666162-4 WG666162-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG666499-1 WG666499-2								
Methylene chloride	101		105		70-130	4		20
1,1-Dichloroethane	102		106		70-130	4		20
Chloroform	100		105		70-130	5		20
Carbon tetrachloride	98		103		63-132	5		20
1,2-Dichloropropane	101		105		70-130	4		20
Dibromochloromethane	98		103		63-130	5		20
1,1,2-Trichloroethane	104		108		70-130	4		20
Tetrachloroethene	100		101		70-130	1		20
Chlorobenzene	98		102		75-130	4		20
Trichlorofluoromethane	102		106		62-150	4		20
1,2-Dichloroethane	104		107		70-130	3		20
1,1,1-Trichloroethane	100		105		67-130	5		20
Bromodichloromethane	100		102		67-130	2		20
trans-1,3-Dichloropropene	99		103		70-130	4		20
cis-1,3-Dichloropropene	98		103		70-130	5		20
1,1-Dichloropropene	100		106		70-130	6		20
Bromoform	99		103		54-136	4		20
1,1,2,2-Tetrachloroethane	105		111		67-130	6		20
Benzene	101		105		70-130	4		20
Toluene	99		102		70-130	3		20
Ethylbenzene	98		102		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG666499-1 WG666499-2								
Chloromethane	99		104		64-130	5		20
Bromomethane	70		73		39-139	4		20
Vinyl chloride	100		106		55-140	6		20
Chloroethane	106		111		55-138	5		20
1,1-Dichloroethene	100		103		61-145	3		20
trans-1,2-Dichloroethene	99		103		70-130	4		20
Trichloroethene	99		101		70-130	2		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	98		101		70-130	3		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	100		104		63-130	4		20
p/m-Xylene	99		103		70-130	4		20
o-Xylene	99		103		70-130	4		20
cis-1,2-Dichloroethene	100		102		70-130	2		20
Dibromomethane	102		106		70-130	4		20
1,2,3-Trichloropropane	106		110		64-130	4		20
Acrylonitrile	110		119		70-130	8		20
Styrene	98		102		70-130	4		20
Dichlorodifluoromethane	102		106		36-147	4		20
Acetone	72		78		58-148	8		20
Carbon disulfide	105		111		51-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG666499-1 WG666499-2								
2-Butanone	89		95		63-138	7		20
Vinyl acetate	107		113		70-130	5		20
4-Methyl-2-pentanone	102		113		59-130	10		20
2-Hexanone	80		81		57-130	1		20
Bromochloromethane	106		106		70-130	0		20
2,2-Dichloropropane	104		108		63-133	4		20
1,2-Dibromoethane	104		108		70-130	4		20
1,3-Dichloropropane	103		106		70-130	3		20
1,1,1,2-Tetrachloroethane	97		102		64-130	5		20
Bromobenzene	95		99		70-130	4		20
n-Butylbenzene	99		103		53-136	4		20
sec-Butylbenzene	98		103		70-130	5		20
tert-Butylbenzene	95		101		70-130	6		20
o-Chlorotoluene	97		102		70-130	5		20
p-Chlorotoluene	98		102		70-130	4		20
1,2-Dibromo-3-chloropropane	115		102		41-144	12		20
Hexachlorobutadiene	96		104		63-130	8		20
Isopropylbenzene	98		102		70-130	4		20
p-Isopropyltoluene	95		101		70-130	6		20
Naphthalene	100		106		70-130	6		20
n-Propylbenzene	99		103		69-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401611

Report Date: 01/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG666499-1 WG666499-2								
1,2,3-Trichlorobenzene	97		102		70-130	5		20
1,2,4-Trichlorobenzene	96		102		70-130	6		20
1,3,5-Trimethylbenzene	98		100		64-130	2		20
1,2,4-Trimethylbenzene	96		102		70-130	6		20
1,4-Dioxane	142		147		56-162	3		20
1,4-Diethylbenzene	97		100		70-130	3		20
4-Ethyltoluene	97		101		70-130	4		20
1,2,4,5-Tetramethylbenzene	95		100		70-130	5		20
Ethyl ether	102		103		59-134	1		20
trans-1,4-Dichloro-2-butene	107		111		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	101		101		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-01
Client ID: SB6 (4-5)
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 01/15/14 10:45
Date Received: 01/16/14
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	89.5		%	0.100	NA	1	-	01/21/14 20:55	30,2540G	RT

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-02
Client ID: SB6 (8-9)
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 01/15/14 10:50
Date Received: 01/16/14
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	78.5		%	0.100	NA	1	-	01/21/14 20:55	30,2540G	RT

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-03
Client ID: SB6 (15-15.5)
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 01/15/14 10:55
Date Received: 01/16/14
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	86.5		%	0.100	NA	1	-	01/21/14 20:55	30,2540G	RT

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-04
Client ID: SB8 (2-3)
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 01/15/14 13:45
Date Received: 01/16/14
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	88.4		%	0.100	NA	1	-	01/21/14 20:55	30,2540G	RT

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

SAMPLE RESULTS

Lab ID: L1401611-05
Client ID: SB1 (8-9)
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 01/15/14 16:05
Date Received: 01/16/14
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	92.5		%	0.100	NA	1	-	01/21/14 20:55	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG666115-1 QC Sample: L1401611-01 Client ID: SB6 (4-5)						
Solids, Total	89.5	86.0	%	4		20

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401611
Report Date: 01/23/14

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(*)
L1401611-01A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	TS(7),NYTCL-8260(14)
L1401611-02A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	TS(7),NYTCL-8260(14)
L1401611-03A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	TS(7),NYTCL-8260(14)
L1401611-04A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	TS(7),NYTCL-8260(14)
L1401611-05A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	TS(7),NYTCL-8260(14)
L1401611-06A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1401611-06B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	87 KENT AVENUE	**Lab Number:**	L1401611
Project Number:	87K	**Report Date:**	01/23/14

GLOSSARY

Acronyms

EDL - Estimated 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 EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

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 ten times (10x) 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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

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 lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	87 KENT AVENUE	**Lab Number:**	L1401611
Project Number:	87K	**Report Date:**	01/23/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. 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 than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401611
Report Date: 01/23/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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.

Certification Information

Last revised December 11, 2013

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 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, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 1/16/14

ALPHA Job #: L1401611

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Tenen Environmental
Address:
Phone:
Fax:
Email: mcarroll@tenen-env.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 87 Kent Avenue
Project Location: Brooklyn, NY
Project #: 87K
Project Manager: Matthew Carroll
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH Partial (only confirmed if pre-approved!)
Date Due: 1/23/14 4B Hrs Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program — Criteria

Other Project Specific Requirements/Comments/Detection Limits:
Please rush SB3 (4-5) and SB9 (3-4).
Advise if enough volume for SVOCs in SB6 (15-15.5).

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs	Sample Specific Comments	TOTAL # BOTTLES
01611-01	SB6 (4-5)	1/15/14	1045	S	MC	X	720	1
-02	SB6 (8-9)		1050				232	
-03	SB6 (15-15.5)		1055				110	
	~~SB3 (4-5)~~		~~1205~~				1208	
-04	SB8 (2-3)		1345				235	
	~~SB9 (3-4)~~		~~1525~~				1350	
-05	~~Trip Blank~~ SB1 (8-9)		1605				563	
-06	Trip Blank		—				—	2

Container Type	A/V
Preservative	A/B

Relinquished By:	Date/Time	Received By:	Date/Time
	1/16/14 1730		1/16/14 1730
	1/16/14 1858	Tom Tenen	1-16-14 1858
Tom Tenen	1-16-14 23:25		1/16/14 23:25

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.

ANALYTICAL REPORT

Lab Number:	L1401612
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 1004 New York City, NY
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	87 KENT AVENUE
Project Number:	87K
Report Date:	01/20/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1401612-01	SB3 (4-5)	BROOKLYN, NY	01/15/14 12:05
L1401612-02	SB9 (3-4)	BROOKLYN, NY	01/15/14 15:25

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 87 KENT AVENUE **Lab Number:** L1401612
Project Number: 87K **Report Date:** 01/20/14

Case Narrative (continued)

Report Submission

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

Sample Receipt

Raw soil was not submitted for the analysis of Total Solids. Sample volume was taken from the sample containers.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 01/20/14

ORGANICS

VOLATILES

Project Name: 87 KENT AVENUE
Lab Number: L1401612
Project Number: 87K
Report Date: 01/20/14

SAMPLE RESULTS

Lab ID:	L1401612-01	D2	Date Collected:	01/15/14 12:05
Client ID:	SB3 (4-5)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/20/14 09:01			
Analyst:	PP			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1200		ug/kg	59	9.0	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401612

Project Number: 87K **Report Date:** 01/20/14

SAMPLE RESULTS

Lab ID:	L1401612-01	D	Date Collected:	01/15/14 12:05
Client ID:	SB3 (4-5)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/19/14 17:48			
Analyst:	PP			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	59	12.	5
1,1-Dichloroethane	ND		ug/kg	8.8	1.0	5
Chloroform	4.4	J	ug/kg	8.8	2.2	5
Carbon tetrachloride	ND		ug/kg	5.9	1.2	5
1,2-Dichloropropane	ND		ug/kg	21	1.3	5
Dibromochloromethane	ND		ug/kg	5.9	1.8	5
1,1,2-Trichloroethane	ND		ug/kg	8.8	1.8	5
Tetrachloroethene	ND		ug/kg	5.9	0.83	5
Chlorobenzene	ND		ug/kg	5.9	2.0	5
Trichlorofluoromethane	ND		ug/kg	29	0.72	5
1,2-Dichloroethane	ND		ug/kg	5.9	0.86	5
1,1,1-Trichloroethane	ND		ug/kg	5.9	0.65	5
Bromodichloromethane	ND		ug/kg	5.9	1.4	5
trans-1,3-Dichloropropene	ND		ug/kg	5.9	0.71	5
cis-1,3-Dichloropropene	ND		ug/kg	5.9	0.75	5
1,1-Dichloropropene	ND		ug/kg	29	2.7	5
Bromoform	ND		ug/kg	24	2.4	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	5.9	1.0	5
Benzene	ND		ug/kg	5.9	0.70	5
Toluene	ND		ug/kg	8.8	0.66	5
Ethylbenzene	ND		ug/kg	5.9	0.87	5
Chloromethane	ND		ug/kg	29	4.6	5
Bromomethane	ND		ug/kg	12	2.0	5
Vinyl chloride	ND		ug/kg	12	0.83	5
Chloroethane	ND		ug/kg	12	1.9	5
1,1-Dichloroethene	ND		ug/kg	5.9	1.2	5
trans-1,2-Dichloroethene	ND		ug/kg	8.8	1.2	5
Trichloroethene	1300	E	ug/kg	5.9	0.90	5
1,2-Dichlorobenzene	ND		ug/kg	29	1.1	5
1,3-Dichlorobenzene	ND		ug/kg	29	1.1	5
1,4-Dichlorobenzene	ND		ug/kg	29	1.4	5

Project Name: 87 KENT AVENUE **Lab Number:** L1401612

Project Number: 87K **Report Date:** 01/20/14

SAMPLE RESULTS

Lab ID: L1401612-01 D Date Collected: 01/15/14 12:05

Client ID: SB3 (4-5) Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	12	0.61	5
p/m-Xylene	ND		ug/kg	12	1.9	5
o-Xylene	ND		ug/kg	12	1.6	5
cis-1,2-Dichloroethene	ND		ug/kg	5.9	0.88	5
Dibromomethane	ND		ug/kg	59	0.96	5
Styrene	ND		ug/kg	12	1.8	5
Dichlorodifluoromethane	ND		ug/kg	59	1.3	5
Acetone	ND		ug/kg	59	18.	5
Carbon disulfide	ND		ug/kg	59	12.	5
2-Butanone	ND		ug/kg	59	2.1	5
Vinyl acetate	ND		ug/kg	59	2.8	5
4-Methyl-2-pentanone	ND		ug/kg	59	1.4	5
1,2,3-Trichloropropane	ND		ug/kg	59	1.3	5
2-Hexanone	ND		ug/kg	59	1.1	5
Bromochloromethane	ND		ug/kg	29	1.2	5
2,2-Dichloropropane	ND		ug/kg	29	1.3	5
1,2-Dibromoethane	ND		ug/kg	24	1.0	5
1,3-Dichloropropane	ND		ug/kg	29	1.0	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	5.9	1.9	5
Bromobenzene	ND		ug/kg	29	1.2	5
n-Butylbenzene	ND		ug/kg	5.9	1.2	5
sec-Butylbenzene	ND		ug/kg	5.9	1.2	5
tert-Butylbenzene	ND		ug/kg	29	3.3	5
o-Chlorotoluene	ND		ug/kg	29	0.94	5
p-Chlorotoluene	ND		ug/kg	29	0.91	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	29	4.6	5
Hexachlorobutadiene	ND		ug/kg	29	2.5	5
Isopropylbenzene	ND		ug/kg	5.9	0.99	5
p-Isopropyltoluene	ND		ug/kg	5.9	1.1	5
Naphthalene	ND		ug/kg	29	4.5	5
Acrylonitrile	ND		ug/kg	59	1.4	5
n-Propylbenzene	ND		ug/kg	5.9	0.74	5
1,2,3-Trichlorobenzene	ND		ug/kg	29	0.99	5
1,2,4-Trichlorobenzene	ND		ug/kg	29	4.6	5
1,3,5-Trimethylbenzene	ND		ug/kg	29	0.84	5
1,2,4-Trimethylbenzene	ND		ug/kg	29	3.4	5
1,4-Dioxane	ND		ug/kg	590	100	5
1,4-Diethylbenzene	ND		ug/kg	24	0.94	5
4-Ethyltoluene	ND		ug/kg	24	0.69	5

Project Name: 87 KENT AVENUE **Lab Number:** L1401612

Project Number: 87K **Report Date:** 01/20/14

SAMPLE RESULTS

Lab ID: L1401612-01 D Date Collected: 01/15/14 12:05

Client ID: SB3 (4-5) Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	24	0.77	5
Ethyl ether	ND		ug/kg	29	1.6	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	29	2.6	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	115		70-130

Project Name: 87 KENT AVENUE
Lab Number: L1401612
Project Number: 87K
Report Date: 01/20/14

SAMPLE RESULTS

Lab ID:	L1401612-02	D2	Date Collected:	01/15/14 15:25
Client ID:	SB9 (3-4)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/19/14 18:16			
Analyst:	PP			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	88000		ug/kg	590	89.	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: 87 KENT AVENUE **Lab Number:** L1401612

Project Number: 87K **Report Date:** 01/20/14

SAMPLE RESULTS

Lab ID:	L1401612-02	D	Date Collected:	01/15/14 15:25
Client ID:	SB9 (3-4)		Date Received:	01/16/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/17/14 18:20			
Analyst:	PP			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	2300	470	200
1,1-Dichloroethane	ND		ug/kg	350	42.	200
Chloroform	ND		ug/kg	350	87.	200
Carbon tetrachloride	ND		ug/kg	230	49.	200
1,2-Dichloropropane	ND		ug/kg	820	54.	200
Dibromochloromethane	ND		ug/kg	230	72.	200
1,1,2-Trichloroethane	ND		ug/kg	350	71.	200
Tetrachloroethene	ND		ug/kg	230	33.	200
Chlorobenzene	ND		ug/kg	230	82.	200
Trichlorofluoromethane	ND		ug/kg	1200	28.	200
1,2-Dichloroethane	ND		ug/kg	230	34.	200
1,1,1-Trichloroethane	ND		ug/kg	230	26.	200
Bromodichloromethane	ND		ug/kg	230	54.	200
trans-1,3-Dichloropropene	ND		ug/kg	230	28.	200
cis-1,3-Dichloropropene	ND		ug/kg	230	30.	200
1,1-Dichloropropene	ND		ug/kg	1200	110	200
Bromoform	ND		ug/kg	940	97.	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	230	40.	200
Benzene	ND		ug/kg	230	28.	200
Toluene	ND		ug/kg	350	26.	200
Ethylbenzene	ND		ug/kg	230	35.	200
Chloromethane	ND		ug/kg	1200	180	200
Bromomethane	ND		ug/kg	470	79.	200
Vinyl chloride	ND		ug/kg	470	33.	200
Chloroethane	ND		ug/kg	470	74.	200
1,1-Dichloroethene	ND		ug/kg	230	48.	200
trans-1,2-Dichloroethene	ND		ug/kg	350	50.	200
Trichloroethene	56000	E	ug/kg	230	36.	200
1,2-Dichlorobenzene	ND		ug/kg	1200	43.	200
1,3-Dichlorobenzene	ND		ug/kg	1200	43.	200
1,4-Dichlorobenzene	ND		ug/kg	1200	57.	200

Project Name: 87 KENT AVENUE **Lab Number:** L1401612

Project Number: 87K **Report Date:** 01/20/14

SAMPLE RESULTS

Lab ID: L1401612-02 D Date Collected: 01/15/14 15:25

Client ID: SB9 (3-4) Date Received: 01/16/14

Sample Location: BROOKLYN, NY 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	470	24.	200
p/m-Xylene	ND		ug/kg	470	76.	200
o-Xylene	ND		ug/kg	470	64.	200
cis-1,2-Dichloroethene	ND		ug/kg	230	35.	200
Dibromomethane	ND		ug/kg	2300	38.	200
Styrene	ND		ug/kg	470	73.	200
Dichlorodifluoromethane	ND		ug/kg	2300	51.	200
Acetone	ND		ug/kg	2300	730	200
Carbon disulfide	ND		ug/kg	2300	470	200
2-Butanone	ND		ug/kg	2300	83.	200
Vinyl acetate	ND		ug/kg	2300	110	200
4-Methyl-2-pentanone	ND		ug/kg	2300	57.	200
1,2,3-Trichloropropane	ND		ug/kg	2300	53.	200
2-Hexanone	ND		ug/kg	2300	44.	200
Bromochloromethane	ND		ug/kg	1200	46.	200
2,2-Dichloropropane	ND		ug/kg	1200	53.	200
1,2-Dibromoethane	ND		ug/kg	940	42.	200
1,3-Dichloropropane	ND		ug/kg	1200	41.	200
1,1,1,2-Tetrachloroethane	ND		ug/kg	230	75.	200
Bromobenzene	ND		ug/kg	1200	49.	200
n-Butylbenzene	ND		ug/kg	230	46.	200
sec-Butylbenzene	ND		ug/kg	230	48.	200
tert-Butylbenzene	ND		ug/kg	1200	130	200
o-Chlorotoluene	ND		ug/kg	1200	38.	200
p-Chlorotoluene	ND		ug/kg	1200	36.	200
1,2-Dibromo-3-chloropropane	ND		ug/kg	1200	180	200
Hexachlorobutadiene	ND		ug/kg	1200	99.	200
Isopropylbenzene	ND		ug/kg	230	39.	200
p-Isopropyltoluene	ND		ug/kg	230	45.	200
Naphthalene	ND		ug/kg	1200	180	200
Acrylonitrile	ND		ug/kg	2300	56.	200
n-Propylbenzene	ND		ug/kg	230	30.	200
1,2,3-Trichlorobenzene	ND		ug/kg	1200	39.	200
1,2,4-Trichlorobenzene	ND		ug/kg	1200	180	200
1,3,5-Trimethylbenzene	ND		ug/kg	1200	34.	200
1,2,4-Trimethylbenzene	ND		ug/kg	1200	130	200
1,4-Dioxane	ND		ug/kg	23000	4100	200
1,4-Diethylbenzene	ND		ug/kg	940	38.	200
4-Ethyltoluene	ND		ug/kg	940	27.	200

Project Name: 87 KENT AVENUE **Lab Number:** L1401612

Project Number: 87K **Report Date:** 01/20/14

SAMPLE RESULTS

Lab ID: L1401612-02 D Date Collected: 01/15/14 15:25

Client ID: SB9 (3-4) Date Received: 01/16/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	940	30.	200
Ethyl ether	ND		ug/kg	1200	62.	200
trans-1,4-Dichloro-2-butene	ND		ug/kg	1200	100	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/14 09:19
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG665596-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/14 09:19
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG665596-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	5.9	J	ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/14 09:19
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG665596-3					
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/19/14 08:52
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG665596-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/19/14 08:52
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG665596-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/19/14 08:52
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG665596-6					
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	**134**	Q	70-130

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/20/14 08:33
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG665596-9					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/20/14 08:33
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG665596-9					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/20/14 08:33
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG665596-9					
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG665596-1 WG665596-2								
Methylene chloride	97		107		70-130	10		30
1,1-Dichloroethane	103		113		70-130	9		30
Chloroform	104		114		70-130	9		30
Carbon tetrachloride	108		120		70-130	11		30
1,2-Dichloropropane	98		110		70-130	12		30
Dibromochloromethane	100		109		70-130	9		30
1,1,2-Trichloroethane	104		111		70-130	7		30
Tetrachloroethene	106		116		70-130	9		30
Chlorobenzene	101		109		70-130	8		30
Trichlorofluoromethane	109		122		70-139	11		30
1,2-Dichloroethane	102		112		70-130	9		30
1,1,1-Trichloroethane	104		116		70-130	11		30
Bromodichloromethane	101		112		70-130	10		30
trans-1,3-Dichloropropene	100		110		70-130	10		30
cis-1,3-Dichloropropene	99		108		70-130	9		30
1,1-Dichloropropene	101		112		70-130	10		30
Bromoform	99		82		70-130	19		30
1,1,2,2-Tetrachloroethane	93		81		70-130	14		30
Benzene	99		111		70-130	11		30
Toluene	99		106		70-130	7		30
Ethylbenzene	100		109		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401612

Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG665596-1 WG665596-2								
Chloromethane	**135**	Q	**160**	Q	52-130	17		30
Bromomethane	119		126		57-147	6		30
Vinyl chloride	**132**	Q	**157**	Q	67-130	17		30
Chloroethane	118		122		50-151	3		30
1,1-Dichloroethene	105		**172**	Q	65-135	**48**	Q	30
trans-1,2-Dichloroethene	103		115		70-130	11		30
Trichloroethene	104		114		70-130	9		30
1,2-Dichlorobenzene	96		110		70-130	14		30
1,3-Dichlorobenzene	99		97		70-130	2		30
1,4-Dichlorobenzene	97		103		70-130	6		30
Methyl tert butyl ether	99		109		66-130	10		30
p/m-Xylene	100		111		70-130	10		30
o-Xylene	101		111		70-130	9		30
cis-1,2-Dichloroethene	103		113		70-130	9		30
Dibromomethane	105		114		70-130	8		30
Styrene	101		110		70-130	9		30
Dichlorodifluoromethane	105		115		30-146	9		30
Acetone	132		136		54-140	3		30
Carbon disulfide	98		**162**	Q	59-130	**49**	Q	30
2-Butanone	101		107		70-130	6		30
Vinyl acetate	99		109		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401612

Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG665596-1 WG665596-2								
4-Methyl-2-pentanone	87		99		70-130	13		30
1,2,3-Trichloropropane	94		80		68-130	16		30
2-Hexanone	95		102		70-130	7		30
Bromochloromethane	107		120		70-130	11		30
2,2-Dichloropropane	108		117		70-130	8		30
1,2-Dibromoethane	99		109		70-130	10		30
1,3-Dichloropropane	97		106		69-130	9		30
1,1,1,2-Tetrachloroethane	101		110		70-130	9		30
Bromobenzene	98		83		70-130	17		30
n-Butylbenzene	100		105		70-130	5		30
sec-Butylbenzene	100		108		70-130	8		30
tert-Butylbenzene	100		98		70-130	2		30
o-Chlorotoluene	109		91		70-130	18		30
p-Chlorotoluene	98		81		70-130	19		30
1,2-Dibromo-3-chloropropane	95		84		68-130	12		30
Hexachlorobutadiene	97		86		67-130	12		30
Isopropylbenzene	99		82		70-130	19		30
p-Isopropyltoluene	100		102		70-130	2		30
Naphthalene	93		100		70-130	7		30
Acrylonitrile	93		106		70-130	13		30
Isopropyl Ether	99		109		66-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG665596-1 WG665596-2								
tert-Butyl Alcohol	95		107		70-130	12		30
n-Propylbenzene	99		82		70-130	19		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	100		83		70-130	19		30
1,2,4-Trimethylbenzene	100		109		70-130	9		30
Methyl Acetate	97		106		51-146	9		30
Ethyl Acetate	98		108		70-130	10		30
Acrolein	92		**146**	Q	70-130	**45**	Q	30
Cyclohexane	99		106		59-142	7		30
1,4-Dioxane	89		98		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		**163**	Q	50-139	**44**	Q	30
1,4-Diethylbenzene	100		101		70-130	1		30
4-Ethyltoluene	99		83		70-130	18		30
1,2,4,5-Tetramethylbenzene	100		94		70-130	6		30
Tetrahydrofuran	94		102		66-130	8		30
Ethyl ether	112		**132**	Q	67-130	16		30
trans-1,4-Dichloro-2-butene	92		79		70-130	15		30
Methyl cyclohexane	96		104		70-130	8		30
Ethyl-Tert-Butyl-Ether	100		111		70-130	10		30
Tertiary-Amyl Methyl Ether	99		109		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401612

Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG665596-1 WG665596-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		76		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG665596-4 WG665596-5								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	106		102		70-130	4		30
Chloroform	110		100		70-130	10		30
Carbon tetrachloride	122		96		70-130	24		30
1,2-Dichloropropane	99		104		70-130	5		30
Dibromochloromethane	104		104		70-130	0		30
1,1,2-Trichloroethane	100		112		70-130	11		30
Tetrachloroethene	109		104		70-130	5		30
Chlorobenzene	101		98		70-130	3		30
Trichlorofluoromethane	127		82		70-139	**43**	Q	30
1,2-Dichloroethane	112		97		70-130	14		30
1,1,1-Trichloroethane	115		94		70-130	20		30
Bromodichloromethane	108		98		70-130	10		30
trans-1,3-Dichloropropene	103		105		70-130	2		30
cis-1,3-Dichloropropene	102		99		70-130	3		30
1,1-Dichloropropene	107		96		70-130	11		30
Bromoform	98		100		70-130	2		30
1,1,2,2-Tetrachloroethane	91		101		70-130	10		30
Benzene	101		99		70-130	2		30
Toluene	99		99		70-130	0		30
Ethylbenzene	102		95		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG665596-4 WG665596-5								
Chloromethane	114		68		52-130	**51**	Q	30
Bromomethane	120		81		57-147	**39**	Q	30
Vinyl chloride	**138**	Q	88		67-130	**44**	Q	30
Chloroethane	109		79		50-151	**32**	Q	30
1,1-Dichloroethene	108		104		65-135	4		30
trans-1,2-Dichloroethene	105		100		70-130	5		30
Trichloroethene	108		100		70-130	8		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	98		97		70-130	1		30
Methyl tert butyl ether	102		99		66-130	3		30
p/m-Xylene	104		97		70-130	7		30
o-Xylene	104		96		70-130	8		30
cis-1,2-Dichloroethene	105		102		70-130	3		30
Dibromomethane	107		107		70-130	0		30
Styrene	102		98		70-130	4		30
Dichlorodifluoromethane	120		70		30-146	**53**	Q	30
Acetone	137		132		54-140	4		30
Carbon disulfide	100		96		59-130	4		30
2-Butanone	120		125		70-130	4		30
Vinyl acetate	102		107		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG665596-4 WG665596-5								
4-Methyl-2-pentanone	88		95		70-130	8		30
1,2,3-Trichloropropane	92		98		68-130	6		30
2-Hexanone	104		111		70-130	7		30
Bromochloromethane	111		110		70-130	1		30
2,2-Dichloropropane	119		96		70-130	21		30
1,2-Dibromoethane	100		105		70-130	5		30
1,3-Dichloropropane	98		105		69-130	7		30
1,1,1,2-Tetrachloroethane	105		97		70-130	8		30
Bromobenzene	100		101		70-130	1		30
n-Butylbenzene	101		97		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	101		94		70-130	7		30
o-Chlorotoluene	109		106		70-130	3		30
p-Chlorotoluene	98		96		70-130	2		30
1,2-Dibromo-3-chloropropane	95		98		68-130	3		30
Hexachlorobutadiene	105		74		67-130	**35**	Q	30
Isopropylbenzene	98		94		70-130	4		30
p-Isopropyltoluene	102		95		70-130	7		30
Naphthalene	94		73		70-130	25		30
Acrylonitrile	97		104		70-130	7		30
Isopropyl Ether	101		105		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG665596-4 WG665596-5								
tert-Butyl Alcohol	96		100		70-130	4		30
n-Propylbenzene	98		95		70-130	3		30
1,2,3-Trichlorobenzene	100		75		70-130	29		30
1,2,4-Trichlorobenzene	102		75		70-130	**31**	Q	30
1,3,5-Trimethylbenzene	100		97		70-130	3		30
1,2,4-Trimethylbenzene	101		97		70-130	4		30
Methyl Acetate	98		109		51-146	11		30
Ethyl Acetate	97		107		70-130	10		30
Acrolein	94		105		70-130	11		30
Cyclohexane	108		103		59-142	5		30
1,4-Dioxane	90		99		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	118		105		50-139	12		30
1,4-Diethylbenzene	100		94		70-130	6		30
4-Ethyltoluene	99		96		70-130	3		30
1,2,4,5-Tetramethylbenzene	104		97		70-130	7		30
Tetrahydrofuran	90		104		66-130	14		30
Ethyl ether	120		86		67-130	**33**	Q	30
trans-1,4-Dichloro-2-butene	96		96		70-130	0		30
Methyl cyclohexane	111		100		70-130	10		30
Ethyl-Tert-Butyl-Ether	105		102		70-130	3		30
Tertiary-Amyl Methyl Ether	103		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401612

Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG665596-4 WG665596-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		94		70-130
Toluene-d8	100		104		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	104		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG665596-7 WG665596-8								
Methylene chloride	111		106		70-130	5		30
1,1-Dichloroethane	110		104		70-130	6		30
Chloroform	113		107		70-130	5		30
Carbon tetrachloride	111		100		70-130	10		30
1,2-Dichloropropane	110		106		70-130	4		30
Dibromochloromethane	104		100		70-130	4		30
1,1,2-Trichloroethane	104		100		70-130	4		30
Tetrachloroethene	102		92		70-130	10		30
Chlorobenzene	103		98		70-130	5		30
Trichlorofluoromethane	123		112		70-139	9		30
1,2-Dichloroethane	113		108		70-130	5		30
1,1,1-Trichloroethane	111		101		70-130	9		30
Bromodichloromethane	112		107		70-130	5		30
trans-1,3-Dichloropropene	101		96		70-130	5		30
cis-1,3-Dichloropropene	110		106		70-130	4		30
1,1-Dichloropropene	111		101		70-130	9		30
Bromoform	97		96		70-130	1		30
1,1,2,2-Tetrachloroethane	96		94		70-130	2		30
Benzene	110		104		70-130	6		30
Toluene	99		93		70-130	6		30
Ethylbenzene	101		95		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG665596-7 WG665596-8								
Chloromethane	93		89		52-130	4		30
Bromomethane	114		106		57-147	7		30
Vinyl chloride	109		98		67-130	11		30
Chloroethane	110		110		50-151	0		30
1,1-Dichloroethene	112		101		65-135	10		30
trans-1,2-Dichloroethene	110		102		70-130	8		30
Trichloroethene	112		103		70-130	8		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	97		94		70-130	3		30
1,4-Dichlorobenzene	98		94		70-130	4		30
Methyl tert butyl ether	110		106		66-130	4		30
p/m-Xylene	102		96		70-130	6		30
o-Xylene	102		98		70-130	4		30
cis-1,2-Dichloroethene	113		106		70-130	6		30
Dibromomethane	116		110		70-130	5		30
Styrene	103		98		70-130	5		30
Dichlorodifluoromethane	102		91		30-146	11		30
Acetone	115		104		54-140	10		30
Carbon disulfide	103		94		59-130	9		30
2-Butanone	118		104		70-130	13		30
Vinyl acetate	109		105		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401612

Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG665596-7 WG665596-8								
4-Methyl-2-pentanone	107		104		70-130	3		30
1,2,3-Trichloropropane	96		93		68-130	3		30
2-Hexanone	93		88		70-130	6		30
Bromochloromethane	119		113		70-130	5		30
2,2-Dichloropropane	111		102		70-130	8		30
1,2-Dibromoethane	102		99		70-130	3		30
1,3-Dichloropropane	100		97		69-130	3		30
1,1,1,2-Tetrachloroethane	103		99		70-130	4		30
Bromobenzene	96		93		70-130	3		30
n-Butylbenzene	98		92		70-130	6		30
sec-Butylbenzene	97		91		70-130	6		30
tert-Butylbenzene	96		90		70-130	6		30
o-Chlorotoluene	94		92		70-130	2		30
p-Chlorotoluene	96		92		70-130	4		30
1,2-Dibromo-3-chloropropane	94		90		68-130	4		30
Hexachlorobutadiene	94		88		67-130	7		30
Isopropylbenzene	96		90		70-130	6		30
p-Isopropyltoluene	97		91		70-130	6		30
Naphthalene	95		92		70-130	3		30
Acrylonitrile	111		104		70-130	7		30
Isopropyl Ether	107		103		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG665596-7 WG665596-8								
tert-Butyl Alcohol	107		100		70-130	7		30
n-Propylbenzene	97		91		70-130	6		30
1,2,3-Trichlorobenzene	99		96		70-130	3		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	97		92		70-130	5		30
1,2,4-Trimethylbenzene	97		93		70-130	4		30
Methyl Acetate	103		100		51-146	3		30
Ethyl Acetate	107		102		70-130	5		30
Acrolein	96		92		70-130	4		30
Cyclohexane	111		100		59-142	10		30
1,4-Dioxane	115		107		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	115		104		50-139	10		30
1,4-Diethylbenzene	98		92		70-130	6		30
4-Ethyltoluene	96		92		70-130	4		30
1,2,4,5-Tetramethylbenzene	97		94		70-130	3		30
Tetrahydrofuran	104		92		66-130	12		30
Ethyl ether	116		110		67-130	5		30
trans-1,4-Dichloro-2-butene	92		89		70-130	3		30
Methyl cyclohexane	115		103		70-130	11		30
Ethyl-Tert-Butyl-Ether	110		107		70-130	3		30
Tertiary-Amyl Methyl Ether	109		106		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 87 KENT AVENUE

Project Number: 87K

Lab Number: L1401612

Report Date: 01/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG665596-7 WG665596-8								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	102		101		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401612
Report Date: 01/20/14

SAMPLE RESULTS

Lab ID: L1401612-01
Client ID: SB3 (4-5)
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 01/15/14 12:05
Date Received: 01/16/14
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	84.8		%	0.100	NA	1	-	01/17/14 02:30	30,2540G	RT

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401612
Report Date: 01/20/14

SAMPLE RESULTS

Lab ID: L1401612-02
Client ID: SB9 (3-4)
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 01/15/14 15:25
Date Received: 01/16/14
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	85.2		%	0.100	NA	1	-	01/17/14 02:30	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG665226-1 QC Sample: L1401530-01 Client ID: DUP Sample						
Solids, Total	85.9	85.8	%	0		20

Project Name: 87 KENT AVENUE
Project Number: 87K

Lab Number: L1401612
Report Date: 01/20/14

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(*)
L1401612-01A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1401612-01B	Amber 120ml unpreserved split	A	N/A	2.3	Y	Absent	TS(7)
L1401612-02A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1401612-02B	Amber 120ml unpreserved split	A	N/A	2.3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	87 KENT AVENUE	**Lab Number:**	L1401612
Project Number:	87K	**Report Date:**	01/20/14

GLOSSARY

Acronyms

EDL - Estimated 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 EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

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 ten times (10x) 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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

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 lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	87 KENT AVENUE	**Lab Number:**	L1401612
Project Number:	87K	**Report Date:**	01/20/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. 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 than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: 87 KENT AVENUE
Project Number: 87K
Lab Number: L1401612
Report Date: 01/20/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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.

Certification Information

Last revised December 11, 2013

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 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, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial No: 0116012

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 1/16/14

ALPHA Job #: L1401612

ALPHA

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Tenen Environmental

Address:

Phone:

Fax:

Email: mcarroll@tenen-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 87 Kent Avenue

Project Location: Brooklyn, NY

Project #: 87K

Project Manager: Matthew Carroll

ALPHA Quote #:

Turn-Around Time

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

Date Due: 48 Hrs 1/20/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: — Criteria:

Other Project Specific Requirements/Comments/Detection Limits:
please rush SB3 (4-5) and SB9 (3-4).
Advise if enough volume for SVOCs in SB6 (15-15.5).

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs	Sample Specific Comments	TOTAL # BOTTLES
	~~SB6 (4-5)~~	1/15/13	1045	S	MC	X	720	1
	~~SB6 (8-9)~~	↓	1050	↓	↓	↓	232	↓
	~~SB6 (15-15.5)~~	↓	1055	↓	↓	↓	110	↓
01612-01	SB3 (4-5)	↓	1205	↓	↓	↓	1208	↓
	~~SB8 (2-3)~~	↓	1345	↓	↓	↓	235	↓
-02	SB9 (3-4)	↓	1525	↓	↓	↓	1350	↓
	~~Trip Blank SB1 (8-9)~~	↓	1005	↓	↓	↓	563	↓
	~~Trip Blank~~	↓	—	↓	↓	↓	—	2

Container Type	A/V
Preservative	A/B

Relinquished By:	Date/Time	Received By:	Date/Time
Matt Carroll	1/16/14 1730	[signature]	1/16/14 1730
[signature]	1/16/14 1858	Tom Toher	1-16-14 1858
Tom Toher	1-16-14 23:25	[signature]	1/16/14 23:25

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.

FORM NO: 01-01 (rev. 14-OCT-07)

Attachment 4
Previous Reports