

APPENDIX E

Laboratory Reports (Incl CD)

Predesign Sampling Reports



ANALYTICAL REPORT

Lab Number:	L1404958
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	W 28TH STREET
Project Number:	E040
Report Date:	03/13/14

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

Certifications & Approvals: MA (M-MA086), NY (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: W 28TH STREET
Project Number: E040

Lab Number: L1404958
Report Date: 03/13/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404958-01	FIELD BLANK	520 W 28TH ST. NY, NY	03/10/14 15:20
L1404958-02	TRIP BLANK	520 W 28TH ST. NY, NY	03/10/14 00:00

Project Name: W 28TH STREET
Project Number: E040

Lab Number: L1404958
Report Date: 03/13/14

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: W 28TH STREET
Project Number: E040

Lab Number: L1404958
Report Date: 03/13/14

Case Narrative (continued)

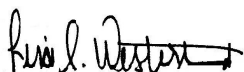
Report Submission

This report contains the results of the Trip Blank and Field Blank. The results of all other analyses were issued under separate cover.

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

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 03/13/14

ORGANICS

VOLATILES

Project Name: W 28TH STREET**Lab Number:** L1404958**Project Number:** E040**Report Date:** 03/13/14**SAMPLE RESULTS**

Lab ID: L1404958-01
Client ID: FIELD BLANK
Sample Location: 520 W 28TH ST. NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/13/14 00:27
Analyst: MS

Date Collected: 03/10/14 15:20
Date Received: 03/10/14
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: W 28TH STREET**Lab Number:** L1404958**Project Number:** E040**Report Date:** 03/13/14**SAMPLE RESULTS**

Lab ID: L1404958-01

Date Collected: 03/10/14 15:20

Client ID: FIELD BLANK

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, 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	1.8	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
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
Ethyl Acetate	ND		ug/l	10	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: W 28TH STREET**Lab Number:** L1404958**Project Number:** E040**Report Date:** 03/13/14**SAMPLE RESULTS**

Lab ID: L1404958-01

Date Collected: 03/10/14 15:20

Client ID: FIELD BLANK

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, 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	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130

Project Name: W 28TH STREET**Lab Number:** L1404958**Project Number:** E040**Report Date:** 03/13/14**SAMPLE RESULTS**

Lab ID: L1404958-02
Client ID: TRIP BLANK
Sample Location: 520 W 28TH ST. NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/13/14 00:59
Analyst: MS

Date Collected: 03/10/14 00:00
Date Received: 03/10/14
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: W 28TH STREET**Lab Number:** L1404958**Project Number:** E040**Report Date:** 03/13/14**SAMPLE RESULTS**

Lab ID: L1404958-02

Date Collected: 03/10/14 00:00

Client ID: TRIP BLANK

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, 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	3.4	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.1	J	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
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
Ethyl Acetate	ND		ug/l	10	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: W 28TH STREET**Lab Number:** L1404958**Project Number:** E040**Report Date:** 03/13/14**SAMPLE RESULTS**

Lab ID: L1404958-02

Date Collected: 03/10/14 00:00

Client ID: TRIP BLANK

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, 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	118		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	114		70-130

Project Name: W 28TH STREET

Lab Number: L1404958

Project Number: E040

Report Date: 03/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/12/14 23:54
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG675331-3					
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: W 28TH STREET

Lab Number: L1404958

Project Number: E040

Report Date: 03/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/12/14 23:54
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG675331-3					
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
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
n-Propylbenzene	ND		ug/l	2.5	0.70

Project Name: W 28TH STREET

Lab Number: L1404958

Project Number: E040

Report Date: 03/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/12/14 23:54
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG675331-3					
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
Ethyl Acetate	ND		ug/l	10	0.70
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404958

Report Date: 03/13/14

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: WG675331-1 WG675331-2								
Methylene chloride	108		105		70-130	3		20
1,1-Dichloroethane	93		98		70-130	5		20
Chloroform	94		98		70-130	4		20
2-Chloroethylvinyl ether	71		79		70-130	11		20
Carbon tetrachloride	90		96		63-132	6		20
1,2-Dichloropropane	91		96		70-130	5		20
Dibromochloromethane	86		92		63-130	7		20
1,1,2-Trichloroethane	93		100		70-130	7		20
Tetrachloroethene	90		94		70-130	4		20
Chlorobenzene	93		97		75-130	4		20
Trichlorofluoromethane	94		98		62-150	4		20
1,2-Dichloroethane	93		98		70-130	5		20
1,1,1-Trichloroethane	91		96		67-130	5		20
Bromodichloromethane	89		95		67-130	7		20
trans-1,3-Dichloropropene	89		97		70-130	9		20
cis-1,3-Dichloropropene	81		87		70-130	7		20
1,1-Dichloropropene	83		89		70-130	7		20
Bromoform	79		90		54-136	13		20
1,1,2,2-Tetrachloroethane	85		93		67-130	9		20
Benzene	94		99		70-130	5		20
Toluene	93		98		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404958

Report Date: 03/13/14

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: WG675331-1 WG675331-2								
Ethylbenzene	98		103		70-130	5		20
Chloromethane	90		94		64-130	4		20
Bromomethane	98		108		39-139	10		20
Vinyl chloride	90		96		55-140	6		20
Chloroethane	87		91		55-138	4		20
1,1-Dichloroethene	91		95		61-145	4		20
trans-1,2-Dichloroethene	93		98		70-130	5		20
Trichloroethene	94		100		70-130	6		20
1,2-Dichlorobenzene	92		96		70-130	4		20
1,3-Dichlorobenzene	94		99		70-130	5		20
1,4-Dichlorobenzene	89		94		70-130	5		20
Methyl tert butyl ether	89		98		63-130	10		20
p/m-Xylene	94		98		70-130	4		20
o-Xylene	93		97		70-130	4		20
cis-1,2-Dichloroethene	91		96		70-130	5		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	87		97		64-130	11		20
Acrylonitrile	89		100		70-130	12		20
Isopropyl Ether	88		98		70-130	11		20
tert-Butyl Alcohol	95		127		70-130	29	Q	20
Styrene	96		100		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404958

Report Date: 03/13/14

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: WG675331-1 WG675331-2								
Dichlorodifluoromethane	88		92		36-147	4		20
Acetone	130		119		58-148	9		20
Carbon disulfide	85		92		51-130	8		20
2-Butanone	95		103		63-138	8		20
Vinyl acetate	93		103		70-130	10		20
4-Methyl-2-pentanone	70		79		59-130	12		20
2-Hexanone	78		84		57-130	7		20
Acrolein	119		111		40-160	7		20
Bromochloromethane	94		98		70-130	4		20
2,2-Dichloropropane	92		98		63-133	6		20
1,2-Dibromoethane	88		96		70-130	9		20
1,3-Dichloropropane	92		98		70-130	6		20
1,1,1,2-Tetrachloroethane	93		98		64-130	5		20
Bromobenzene	87		93		70-130	7		20
n-Butylbenzene	91		96		53-136	5		20
sec-Butylbenzene	88		93		70-130	6		20
tert-Butylbenzene	88		94		70-130	7		20
o-Chlorotoluene	97		102		70-130	5		20
p-Chlorotoluene	96		102		70-130	6		20
1,2-Dibromo-3-chloropropane	96		101		41-144	5		20
Hexachlorobutadiene	95		102		63-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404958

Report Date: 03/13/14

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: WG675331-1 WG675331-2								
Isopropylbenzene	82		88		70-130	7		20
p-Isopropyltoluene	84		89		70-130	6		20
Naphthalene	71		77		70-130	8		20
n-Propylbenzene	96		102		69-130	6		20
1,2,3-Trichlorobenzene	83		87		70-130	5		20
1,2,4-Trichlorobenzene	78		81		70-130	4		20
1,3,5-Trimethylbenzene	92		96		64-130	4		20
1,2,4-Trimethylbenzene	92		98		70-130	6		20
Methyl Acetate	117		113		70-130	3		20
Ethyl Acetate	86		96		70-130	11		20
Cyclohexane	92		98		70-130	6		20
Ethyl-Tert-Butyl-Ether	85		93		70-130	9		20
Tertiary-Amyl Methyl Ether	81		90		66-130	11		20
1,4-Dioxane	138		154		56-162	11		20
Freon-113	96		101		70-130	5		20
p-Diethylbenzene	83		86		70-130	4		20
p-Ethyltoluene	90		95		70-130	5		20
1,2,4,5-Tetramethylbenzene	83		86		70-130	4		20
Ethyl ether	92		99		59-134	7		20
trans-1,4-Dichloro-2-butene	80		95		70-130	17		20
Iodomethane	112		117		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404958

Report Date: 03/13/14

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: WG675331-1 WG675331-2								
Methyl cyclohexane	88		94		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	101		99		70-130

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404958

Report Date: 03/13/14

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(*)
L1404958-01A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404958-01B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404958-01C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404958-02A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404958-02B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: W 28TH STREET
Project Number: E040

Lab Number: L1404958
Report Date: 03/13/14

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: W 28TH STREET
Project Number: E040

Lab Number: L1404958
Report Date: 03/13/14

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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: W 28TH STREET
Project Number: E040

Lab Number: L1404958
Report Date: 03/13/14

REFERENCES

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

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, SM4500CI-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.**

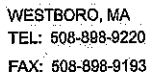
EPA 624: Volatile Halocarbons & Aromatics,

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.



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

PAGE 1 OF 1

Date Rec'd in Lab: _____

Serial No 03131417-21

ALPHA Job #: 140 LP 50

Project Information

Project Name: W28TH STREET

Project Location: 520 W 28TH ST., NY, NY

Project #: E040

Project Manager: AUNNA CARROLL

ALPHA Quote #:

Turn-Around Time

☐ Standard

Date Due:

☒ RUSH (only confirmed if pre-approved)
2-DAV Time: 3/17/14

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

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY SUITE 1601
NY, NY

Phone: 212: 440.6715

Fax:

~~SMCTAV5V@INTEGRAL-CORP.COM~~

Email: ACARROLL@ " ()

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

[illegible]

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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



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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Serial No 03131417 25

ALPHA Job #: L404958

Project Information

Project Name: W 28TH STREET
Project Location: 520 W 28TH ST., NY, NY
Project #: E040
Project Manager: ALANA GREEN
ALPHA Quote #:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Client Information

Client: INTEGRAL CONSULTING, INC.
Address: 61 BROADWAY, SUITE 1601
NY, NY
Phone: 212-440-6715

Fax:

Email: SMCTAVEY@INTEGRAL-CONS.COM
A CARROLL C " " "

☐ These samples have been previously analyzed by Alpha

Turn-Around Time

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

Date Due: 2-DAY Time: 3/17/14

Other Project Specific Requirements/Comments/Detection Limits:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

SAMPLE HANDLING

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

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Sample Specific Comments	
		Date	Time														
	F2-EP(10-11')	3/10/14	15:10	S	Sm	X	X	X	X	X							5
	F2-EP(11-12')		15:15	S			X	X	X	X							5
	F2-EP(13-14')		14:05	S			X	X	X	X							5
	F2-EP(14-15')		14:00	S			X	X	X	X							5
	DUPLICATE		-	S			X	X	X	X							4
0498801	FIELD BLANK		15:20	AQ													3
02	TRIP BLANK		-	AQ													2

Container Type: E/V A A A A
Preservative:

Relinquished By:

Date/Time

Received By:

Date/Time

Samir 3/10/14 15:45
Lance Green 3/10/14 19:25
Tom Taver 3-10-14 23:30

Lance Green 3/10/14 15:50
Tom Taver 3-10-14 19:25
Tom Taver 3/10/14 23:30

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:	L1404957
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	W 28TH STREET
Project Number:	E040
Report Date:	03/12/14

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

Certifications & Approvals: MA (M-MA086), NY (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: W 28TH STREET
Project Number: E040

Lab Number: L1404957
Report Date: 03/12/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404957-01	D3-EP (8-9')	520 W 28TH ST. NY, NY	03/10/14 11:45
L1404957-02	D3-EP (9-10')	520 W 28TH ST., NY, NY	03/10/14 11:35
L1404957-03	D3-EP (13-15')	520 W 28TH ST., NY, NY	03/10/14 12:00
L1404957-04	D3-EP (14-15')	520 W 28TH ST., NY, NY	03/10/14 11:30
L1404957-05	D2-EP (8-9')	520 W 28TH ST., NY, NY	03/10/14 12:15
L1404957-06	D2-EP (14-15')	520 W 28TH ST., NY, NY	03/10/14 12:40
L1404957-07	D2-EP (10-11')	520 W 28TH ST., NY, NY	03/10/14 12:50
L1404957-08	D2-EP (16-17')	520 W 28TH ST., NY, NY	03/10/14 13:30
L1404957-09	F2-EP (10-11')	520 W 28TH ST., NY, NY	03/10/14 15:10
L1404957-10	F2-EP (11-12')	520 W 28TH ST., NY, NY	03/10/14 15:15
L1404957-11	F2-EP (13-14')	520 W 28TH ST., NY, NY	03/10/14 14:05
L1404957-12	F2-EP (14-15')	520 W 28TH ST., NY, NY	03/10/14 14:00
L1404957-13	DUPLICATE	520 W 28TH ST., NY, NY	03/10/14 00:00

Project Name: W 28TH STREET
Project Number: E040

Lab Number: L1404957
Report Date: 03/12/14

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: W 28TH STREET
Project Number: E040

Lab Number: L1404957
Report Date: 03/12/14

Case Narrative (continued)

Report Submission

The results of the Field Blank and Trip Blank will be issued under separate cover.

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

Volatile Organics

The WG674928-4/-5 MS/MSD recoveries, performed on L1404957-06, are outside the acceptance criteria for 1,1,2,2-tetrachloroethane (MS at 68%), acetone (181%/184%), vinyl acetate (61%/61%), hexachlorobutadiene (MS at 61%), 1,2,3-trichlorobenzene (MS at 69%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Metals

L1404957-01 through -13 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

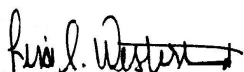
The WG674741-1 Method Blank, associated with L1404957-01 through -13, has a concentration above the reporting limit for copper. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG674741-4 MS recoveries for aluminum (0%) and iron (0%), performed on L1404957-06, do not apply because the sample concentration is greater than four times the spike amount added.

The WG674741-4 MS recoveries, performed on L1404957-06, are outside the acceptance criteria for magnesium (45%), manganese (58%), and potassium (64%). A post digestion spike was performed and yielded an unacceptable recovery for manganese (74%). All other compounds were within acceptance criteria. This has been attributed to sample matrix.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 03/12/14

ORGANICS

VOLATILES

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01
Client ID: D3-EP (8-9')
Sample Location: 520 W 28TH ST. NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 11:35
Analyst: BN
Percent Solids: 88%

Date Collected: 03/10/14 11:45
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.93	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.29	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01

Date Collected: 03/10/14 11:45

Client ID: D3-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.94	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	5.9	0.91	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.19	1
4-Ethyltoluene	ND		ug/kg	4.7	0.14	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01

Date Collected: 03/10/14 11:45

Client ID: D3-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-02
Client ID: D3-EP (9-10')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 12:02
Analyst: BN
Percent Solids: 85%

Date Collected: 03/10/14 11:35
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	0.36	J	ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-02

Date Collected: 03/10/14 11:35

Client ID: D3-EP (9-10')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	6.0	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.94	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.19	1
4-Ethyltoluene	ND		ug/kg	4.8	0.14	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-02

Date Collected: 03/10/14 11:35

Client ID: D3-EP (9-10')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-03
Client ID: D3-EP (13-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 12:29
Analyst: BN
Percent Solids: 85%

Date Collected: 03/10/14 12:00
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	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	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	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	5.5	0.50	1
Bromoform	ND		ug/kg	4.4	0.46	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	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.87	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.27	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-03

Date Collected: 03/10/14 12:00

Client ID: D3-EP (13-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	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	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.53	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	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	5.5	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	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	5.5	0.62	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.88	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.47	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.5	0.85	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	5.5	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.88	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.64	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.18	1
4-Ethyltoluene	ND		ug/kg	4.4	0.13	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-03

Date Collected: 03/10/14 12:00

Client ID: D3-EP (13-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.50	1

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

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04
Client ID: D3-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 12:57
Analyst: BN
Percent Solids: 83%

Date Collected: 03/10/14 11:30
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04

Date Collected: 03/10/14 11:30

Client ID: D3-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.69	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.97	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.97	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.20	1
4-Ethyltoluene	ND		ug/kg	4.9	0.14	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04

Date Collected: 03/10/14 11:30

Client ID: D3-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-05
Client ID: D2-EP (8-9')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 13:24
Analyst: BN
Percent Solids: 84%

Date Collected: 03/10/14 12:15
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.55	1
Bromoform	ND		ug/kg	4.9	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.95	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.29	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-05

Date Collected: 03/10/14 12:15

Client ID: D2-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	1
o-Chlorotoluene	ND		ug/kg	6.1	0.19	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.19	1
4-Ethyltoluene	ND		ug/kg	4.9	0.14	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-05

Date Collected: 03/10/14 12:15

Client ID: D2-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-06
Client ID: D2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 13:52
Analyst: BN
Percent Solids: 87%

Date Collected: 03/10/14 12:40
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.1	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.14	1
Chloroethane	ND		ug/kg	2.1	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-06

Date Collected: 03/10/14 12:40

Client ID: D2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.81	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.79	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.81	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.1	0.16	1
4-Ethyltoluene	ND		ug/kg	4.1	0.12	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-06

Date Collected: 03/10/14 12:40

Client ID: D2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1

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

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-07
Client ID: D2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 15:24
Analyst: BN
Percent Solids: 80%

Date Collected: 03/10/14 12:50
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.57	1
Bromoform	ND		ug/kg	5.0	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.2	0.97	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.30	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-07

Date Collected: 03/10/14 12:50

Client ID: D2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	28		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	4.9	J	ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.60	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.2	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.2	0.70	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.98	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.2	0.96	1
Acrylonitrile	ND		ug/kg	12	0.30	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	0.28	J	ug/kg	6.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.98	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.71	1
1,4-Dioxane	ND		ug/kg	120	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.0	0.20	1
4-Ethyltoluene	ND		ug/kg	5.0	0.14	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-07

Date Collected: 03/10/14 12:50

Client ID: D2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	0.29	J	ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.56	1

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

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08
Client ID: D2-EP (16-17')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 15:52
Analyst: BN
Percent Solids: 63%

Date Collected: 03/10/14 13:30
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.9	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.54	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.1	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.45	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.51	1
Trichlorofluoromethane	ND		ug/kg	7.3	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.3	0.67	1
Bromoform	ND		ug/kg	5.9	0.61	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.17	1
Toluene	ND		ug/kg	2.2	0.16	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.3	1.2	1
Bromomethane	ND		ug/kg	2.9	0.50	1
Vinyl chloride	ND		ug/kg	2.9	0.21	1
Chloroethane	ND		ug/kg	2.9	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.3	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.3	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.3	0.36	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08

Date Collected: 03/10/14 13:30

Client ID: D2-EP (16-17')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.9	0.15	1
p/m-Xylene	ND		ug/kg	2.9	0.47	1
o-Xylene	ND		ug/kg	2.9	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	2.9	0.45	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	ND		ug/kg	15	4.6	1
Carbon disulfide	ND		ug/kg	15	2.9	1
2-Butanone	ND		ug/kg	15	0.52	1
Vinyl acetate	ND		ug/kg	15	0.70	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.3	0.33	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.3	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.3	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.30	1
tert-Butylbenzene	ND		ug/kg	7.3	0.82	1
o-Chlorotoluene	ND		ug/kg	7.3	0.23	1
p-Chlorotoluene	ND		ug/kg	7.3	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.3	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.3	0.62	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.28	1
Naphthalene	1.6	J	ug/kg	7.3	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.3	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.3	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.3	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.3	0.84	1
1,4-Dioxane	ND		ug/kg	150	26.	1
1,4-Diethylbenzene	ND		ug/kg	5.9	0.23	1
4-Ethyltoluene	ND		ug/kg	5.9	0.17	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08

Date Collected: 03/10/14 13:30

Client ID: D2-EP (16-17')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.3	0.66	1

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

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-09
Client ID: F2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 16:19
Analyst: BN
Percent Solids: 78%

Date Collected: 03/10/14 15:10
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-09

Date Collected: 03/10/14 15:10

Client ID: F2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.37	1
o-Xylene	ND		ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.25	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.41	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.8	0.65	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.49	1
Isopropylbenzene	ND		ug/kg	1.2	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.66	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.18	1
4-Ethyltoluene	ND		ug/kg	4.6	0.14	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-09

Date Collected: 03/10/14 15:10

Client ID: F2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-10
Client ID: F2-EP (11-12')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 16:46
Analyst: BN
Percent Solids: 87%

Date Collected: 03/10/14 15:15
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	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	0.51	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	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	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	ND		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: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-10

Date Collected: 03/10/14 15:15

Client ID: F2-EP (11-12')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	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	2.2	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	2.2	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	0.25	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: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-10

Date Collected: 03/10/14 15:15

Client ID: F2-EP (11-12')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - 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	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-11
Client ID: F2-EP (13-14')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 17:14
Analyst: BN
Percent Solids: 82%

Date Collected: 03/10/14 14:05
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	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	0.51	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	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	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	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-11

Date Collected: 03/10/14 14:05

Client ID: F2-EP (13-14')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	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	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	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	0.27	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	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	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	0.47	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	1.1	J	ug/kg	5.6	0.86	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	0.64	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: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-11

Date Collected: 03/10/14 14:05

Client ID: F2-EP (13-14')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - 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	0.50	1

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

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12
Client ID: F2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 17:41
Analyst: BN
Percent Solids: 84%

Date Collected: 03/10/14 14:00
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.48	1
Bromoform	ND		ug/kg	4.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.82	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12

Date Collected: 03/10/14 14:00

Client ID: F2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.21	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.60	1
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.12	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12

Date Collected: 03/10/14 14:00

Client ID: F2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.47	1

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

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-13
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/14 18:08
Analyst: BN
Percent Solids: 77%

Date Collected: 03/10/14 00:00
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.23	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.59	1
Bromoform	ND		ug/kg	5.2	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.4	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.31	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-13

Date Collected: 03/10/14 00:00

Client ID: DUPLICATE

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.13	1
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.40	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	ND		ug/kg	13	4.0	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.46	1
Vinyl acetate	ND		ug/kg	13	0.62	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.29	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.4	0.72	1
o-Chlorotoluene	ND		ug/kg	6.4	0.21	1
p-Chlorotoluene	ND		ug/kg	6.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.54	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.4	0.99	1
Acrylonitrile	ND		ug/kg	13	0.31	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.74	1
1,4-Dioxane	ND		ug/kg	130	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.2	0.21	1
4-Ethyltoluene	ND		ug/kg	5.2	0.15	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-13

Date Collected: 03/10/14 00:00

Client ID: DUPLICATE

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.2	0.17	1
Ethyl ether	ND		ug/kg	6.4	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/14 08:50
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-13 Batch: WG674928-3					
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: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/14 08:50
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-13 Batch: WG674928-3					
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: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/14 08:50
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-13 Batch: WG674928-3					
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	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 Batch: WG674928-1 WG674928-2								
Methylene chloride	90		87		70-130	3		30
1,1-Dichloroethane	99		95		70-130	4		30
Chloroform	104		98		70-130	6		30
Carbon tetrachloride	106		100		70-130	6		30
1,2-Dichloropropane	98		94		70-130	4		30
Dibromochloromethane	110		107		70-130	3		30
1,1,2-Trichloroethane	95		93		70-130	2		30
Tetrachloroethene	112		107		70-130	5		30
Chlorobenzene	106		103		70-130	3		30
Trichlorofluoromethane	106		100		70-139	6		30
1,2-Dichloroethane	103		100		70-130	3		30
1,1,1-Trichloroethane	108		100		70-130	8		30
Bromodichloromethane	103		100		70-130	3		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	94		91		70-130	3		30
1,1-Dichloropropene	92		86		70-130	7		30
Bromoform	106		101		70-130	5		30
1,1,2,2-Tetrachloroethane	90		84		70-130	7		30
Benzene	90		86		70-130	5		30
Toluene	98		94		70-130	4		30
Ethylbenzene	100		96		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 Batch: WG674928-1 WG674928-2								
Chloromethane	96		92		52-130	4		30
Bromomethane	106		90		57-147	16		30
Vinyl chloride	100		93		67-130	7		30
Chloroethane	106		102		50-151	4		30
1,1-Dichloroethene	95		88		65-135	8		30
trans-1,2-Dichloroethene	96		92		70-130	4		30
Trichloroethene	97		96		70-130	1		30
1,2-Dichlorobenzene	105		100		70-130	5		30
1,3-Dichlorobenzene	108		99		70-130	9		30
1,4-Dichlorobenzene	104		98		70-130	6		30
Methyl tert butyl ether	89		87		66-130	2		30
p/m-Xylene	104		99		70-130	5		30
o-Xylene	104		100		70-130	4		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	94		91		70-130	3		30
Styrene	101		97		70-130	4		30
Dichlorodifluoromethane	81		75		30-146	8		30
Acetone	155	Q	132		54-140	16		30
Carbon disulfide	85		81		59-130	5		30
2-Butanone	114		97		70-130	16		30
Vinyl acetate	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 Batch: WG674928-1 WG674928-2								
4-Methyl-2-pentanone	93		90		70-130	3		30
1,2,3-Trichloropropane	88		83		68-130	6		30
2-Hexanone	104		98		70-130	6		30
Bromochloromethane	101		97		70-130	4		30
2,2-Dichloropropane	103		99		70-130	4		30
1,2-Dibromoethane	102		100		70-130	2		30
1,3-Dichloropropane	93		90		69-130	3		30
1,1,1,2-Tetrachloroethane	110		107		70-130	3		30
Bromobenzene	104		95		70-130	9		30
n-Butylbenzene	102		95		70-130	7		30
sec-Butylbenzene	100		92		70-130	8		30
tert-Butylbenzene	107		99		70-130	8		30
o-Chlorotoluene	99		91		70-130	8		30
p-Chlorotoluene	103		96		70-130	7		30
1,2-Dibromo-3-chloropropane	93		85		68-130	9		30
Hexachlorobutadiene	120		109		67-130	10		30
Isopropylbenzene	102		97		70-130	5		30
p-Isopropyltoluene	109		100		70-130	9		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		98		70-130	3		30
Isopropyl Ether	105		101		66-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 Batch: WG674928-1 WG674928-2								
tert-Butyl Alcohol	91		91		70-130	0		30
n-Propylbenzene	97		90		70-130	7		30
1,2,3-Trichlorobenzene	106		100		70-130	6		30
1,2,4-Trichlorobenzene	110		103		70-130	7		30
1,3,5-Trimethylbenzene	103		95		70-130	8		30
1,2,4-Trimethylbenzene	101		93		70-130	8		30
Methyl Acetate	86		86		51-146	0		30
Ethyl Acetate	92		94		70-130	2		30
Acrolein	96		100		70-130	4		30
Cyclohexane	103		98		59-142	5		30
1,4-Dioxane	85		86		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		88		50-139	9		30
1,4-Diethylbenzene	111		105		70-130	6		30
4-Ethyltoluene	103		98		70-130	5		30
1,2,4,5-Tetramethylbenzene	111		105		70-130	6		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	91		89		67-130	2		30
trans-1,4-Dichloro-2-butene	105		100		70-130	5		30
Methyl cyclohexane	94		88		70-130	7		30
Ethyl-Tert-Butyl-Ether	105		102		70-130	3		30
Tertiary-Amyl Methyl Ether	92		89		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 Batch: WG674928-1 WG674928-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	104		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674928-4 WG674928-5 QC Sample: L1404957-06 Client ID:												
D2-EP (14-15')												
Methylene chloride	ND	21.8	17	78		16	81		70-130	4		30
1,1-Dichloroethane	ND	21.8	18	84		17	86		70-130	5		30
Chloroform	ND	21.8	19	86		18	90		70-130	3		30
Carbon tetrachloride	ND	21.8	19	86		18	87		70-130	6		30
1,2-Dichloropropane	ND	21.8	18	80		17	83		70-130	3		30
Dibromochloromethane	ND	21.8	20	91		19	96		70-130	2		30
1,1,2-Trichloroethane	ND	21.8	17	79		17	82		70-130	4		30
Tetrachloroethene	ND	21.8	20	90		19	92		70-130	5		30
Chlorobenzene	ND	21.8	18	84		18	88		70-130	2		30
Trichlorofluoromethane	ND	21.8	20	90		18	90		70-139	7		30
1,2-Dichloroethane	ND	21.8	19	89		19	93		70-130	3		30
1,1,1-Trichloroethane	ND	21.8	20	91		19	93		70-130	6		30
Bromodichloromethane	ND	21.8	19	86		18	89		70-130	4		30
trans-1,3-Dichloropropene	ND	21.8	17	79		17	83		70-130	2		30
cis-1,3-Dichloropropene	ND	21.8	17	76		16	79		70-130	4		30
1,1-Dichloropropene	ND	21.8	16	74		15	75		70-130	6		30
Bromoform	ND	21.8	19	86		18	88		70-130	5		30
1,1,2,2-Tetrachloroethane	ND	21.8	15	68	Q	14	70		70-130	4		30
Benzene	ND	21.8	16	75		16	76		70-130	5		30
Toluene	ND	21.8	17	79		17	83		70-130	3		30
Ethylbenzene	ND	21.8	17	80		17	83		70-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674928-4 WG674928-5 QC Sample: L1404957-06 Client ID: D2-EP (14-15')												
Chloromethane	ND	21.8	18	84		18	90		52-130	1		30
Bromomethane	ND	21.8	19	87		17	86		57-147	9		30
Vinyl chloride	ND	21.8	19	88		18	91		67-130	4		30
Chloroethane	ND	21.8	21	94		19	96		50-151	6		30
1,1-Dichloroethene	ND	21.8	17	78		16	80		65-135	5		30
trans-1,2-Dichloroethene	ND	21.8	17	78		16	81		70-130	4		30
Trichloroethene	ND	21.8	19	85		18	89		70-130	2		30
1,2-Dichlorobenzene	ND	21.8	18	81		17	84		70-130	3		30
1,3-Dichlorobenzene	ND	21.8	17	80		17	84		70-130	2		30
1,4-Dichlorobenzene	ND	21.8	17	79		17	83		70-130	3		30
Methyl tert butyl ether	ND	21.8	16	75		16	78		66-130	4		30
p/m-Xylene	ND	43.6	36	82		35	87		70-130	2		30
o-Xylene	ND	43.6	37	84		35	87		70-130	4		30
cis-1,2-Dichloroethene	ND	21.8	18	81		17	85		70-130	2		30
Dibromomethane	ND	21.8	17	78		16	80		70-130	4		30
Styrene	ND	43.6	34	78		34	83		70-130	1		30
Dichlorodifluoromethane	ND	21.8	16	73		15	75		30-146	5		30
Acetone	ND	21.8	39	181	Q	37	184	Q	54-140	5		30
Carbon disulfide	ND	21.8	15	69		15	72		59-130	3		30
2-Butanone	ND	21.8	24	109		23	114		70-130	3		30
Vinyl acetate	ND	21.8	13	61	Q	12	61	Q	70-130	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674928-4 WG674928-5 QC Sample: L1404957-06 Client ID:												
D2-EP (14-15')												
4-Methyl-2-pentanone	ND	21.8	16	73		17	82		70-130	4		30
1,2,3-Trichloropropane	ND	21.8	16	72		15	74		68-130	4		30
2-Hexanone	ND	21.8	20	92		19	96		70-130	4		30
Bromochloromethane	ND	21.8	19	85		17	86		70-130	6		30
2,2-Dichloropropane	ND	21.8	19	86		18	87		70-130	5		30
1,2-Dibromoethane	ND	21.8	18	83		18	88		70-130	1		30
1,3-Dichloropropane	ND	21.8	17	76		16	80		69-130	2		30
1,1,1,2-Tetrachloroethane	ND	21.8	20	90		19	95		70-130	3		30
Bromobenzene	ND	21.8	18	81		17	85		70-130	3		30
n-Butylbenzene	ND	21.8	15	70		15	73		70-130	3		30
sec-Butylbenzene	ND	21.8	16	73		16	76		70-130	3		30
tert-Butylbenzene	ND	21.8	18	82		17	85		70-130	3		30
o-Chlorotoluene	ND	21.8	17	78		16	80		70-130	5		30
p-Chlorotoluene	ND	21.8	17	79		17	81		70-130	5		30
1,2-Dibromo-3-chloropropane	ND	21.8	15	69		15	74		68-130	0		30
Hexachlorobutadiene	ND	21.8	13	61	Q	14	68		67-130	4		30
Isopropylbenzene	ND	21.8	17	78		17	83		70-130	1		30
p-Isopropyltoluene	ND	21.8	17	79		17	83		70-130	3		30
Naphthalene	ND	21.8	16	73		16	80		70-130	1		30
Acrylonitrile	ND	21.8	18	84		18	87		70-130	4		30
n-Propylbenzene	ND	21.8	16	74		15	75		70-130	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674928-4 WG674928-5 QC Sample: L1404957-06 Client ID: D2-EP (14-15')												
1,2,3-Trichlorobenzene	ND	21.8	15	69	Q	16	78		70-130	5		30
1,2,4-Trichlorobenzene	ND	21.8	16	72		16	78		70-130	1		30
1,3,5-Trimethylbenzene	ND	21.8	17	79		17	83		70-130	3		30
1,2,4-Trimethylbenzene	ND	21.8	17	77		16	80		70-130	3		30
1,4-Dioxane	ND	1090	750	68		760	75		65-136	2		30
1,4-Diethylbenzene	ND	21.8	17	76		17	83		70-130	1		30
4-Ethyltoluene	ND	21.8	17	77		17	82		70-130	1		30
1,2,4,5-Tetramethylbenzene	ND	21.8	17	77		17	84		70-130	2		30
Ethyl ether	ND	21.8	17	78		17	81		67-130	4		30
trans-1,4-Dichloro-2-butene	ND	21.8	19	85		16	79		70-130	15		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	102		101		70-130
4-Bromofluorobenzene	103		100		70-130
Dibromofluoromethane	106		104		70-130
Toluene-d8	101		102		70-130

SEMIVOLATILES

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01
Client ID: D3-EP (8-9')
Sample Location: 520 W 28TH ST. NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 14:05
Analyst: RC
Percent Solids: 88%

Date Collected: 03/10/14 11:45
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	49.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01

Date Collected: 03/10/14 11:45

Client ID: D3-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	58.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01

Date Collected: 03/10/14 11:45

Client ID: D3-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST. NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	52		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-02
Client ID: D3-EP (9-10')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 14:33
Analyst: RC
Percent Solids: 85%

Date Collected: 03/10/14 11:35
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-02

Date Collected: 03/10/14 11:35

Client ID: D3-EP (9-10')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-02

Date Collected: 03/10/14 11:35

Client ID: D3-EP (9-10')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	65		0-136
4-Terphenyl-d14	62		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-03
Client ID: D3-EP (13-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 18:47
Analyst: RC
Percent Solids: 85%

Date Collected: 03/10/14 12:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-03

Date Collected: 03/10/14 12:00

Client ID: D3-EP (13-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-03

Date Collected: 03/10/14 12:00

Client ID: D3-EP (13-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	57		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04
Client ID: D3-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 19:13
Analyst: RC
Percent Solids: 83%

Date Collected: 03/10/14 11:30
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04

Date Collected: 03/10/14 11:30

Client ID: D3-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04

Date Collected: 03/10/14 11:30

Client ID: D3-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	61		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-05
Client ID: D2-EP (8-9')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 19:38
Analyst: RC
Percent Solids: 84%

Date Collected: 03/10/14 12:15
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	48	J	ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-05

Date Collected: 03/10/14 12:15

Client ID: D2-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	53	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	43.	1
Pyrene	47	J	ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-05

Date Collected: 03/10/14 12:15

Client ID: D2-EP (8-9')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	46		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-06
Client ID: D2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 20:04
Analyst: RC
Percent Solids: 87%

Date Collected: 03/10/14 12:40
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	73	J	ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-06

Date Collected: 03/10/14 12:40

Client ID: D2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	39.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-06

Date Collected: 03/10/14 12:40

Client ID: D2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	49		0-136
4-Terphenyl-d14	43		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-07
Client ID: D2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 20:29
Analyst: RC
Percent Solids: 80%

Date Collected: 03/10/14 12:50
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-07

Date Collected: 03/10/14 12:50

Client ID: D2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-07

Date Collected: 03/10/14 12:50

Client ID: D2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	57		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08
Client ID: D2-EP (16-17')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 20:55
Analyst: RC
Percent Solids: 63%

Date Collected: 03/10/14 13:30
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	210	54.	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	85.	1
Hexachlorobenzene	ND		ug/kg	160	48.	1
Bis(2-chloroethyl)ether	ND		ug/kg	230	73.	1
2-Chloronaphthalene	ND		ug/kg	260	85.	1
1,2-Dichlorobenzene	ND		ug/kg	260	85.	1
1,3-Dichlorobenzene	ND		ug/kg	260	82.	1
1,4-Dichlorobenzene	ND		ug/kg	260	79.	1
3,3'-Dichlorobenzidine	ND		ug/kg	260	69.	1
2,4-Dinitrotoluene	ND		ug/kg	260	56.	1
2,6-Dinitrotoluene	ND		ug/kg	260	67.	1
Fluoranthene	ND		ug/kg	160	48.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	260	79.	1
4-Bromophenyl phenyl ether	ND		ug/kg	260	60.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	310	92.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	280	79.	1
Hexachlorobutadiene	ND		ug/kg	260	73.	1
Hexachlorocyclopentadiene	ND		ug/kg	750	170	1
Hexachloroethane	ND		ug/kg	210	47.	1
Isophorone	ND		ug/kg	230	69.	1
Naphthalene	ND		ug/kg	260	86.	1
Nitrobenzene	ND		ug/kg	230	62.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	210	55.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	260	78.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	260	68.	1
Butyl benzyl phthalate	ND		ug/kg	260	51.	1
Di-n-butylphthalate	ND		ug/kg	260	50.	1
Di-n-octylphthalate	ND		ug/kg	260	64.	1
Diethyl phthalate	ND		ug/kg	260	55.	1
Dimethyl phthalate	ND		ug/kg	260	66.	1
Benzo(a)anthracene	ND		ug/kg	160	51.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08

Date Collected: 03/10/14 13:30

Client ID: D2-EP (16-17')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	210	64.	1
Benzo(b)fluoranthene	ND		ug/kg	160	52.	1
Benzo(k)fluoranthene	ND		ug/kg	160	50.	1
Chrysene	ND		ug/kg	160	51.	1
Acenaphthylene	ND		ug/kg	210	49.	1
Anthracene	ND		ug/kg	160	43.	1
Benzo(ghi)perylene	ND		ug/kg	210	54.	1
Fluorene	ND		ug/kg	260	74.	1
Phenanthrene	ND		ug/kg	160	51.	1
Dibenzo(a,h)anthracene	ND		ug/kg	160	50.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	210	58.	1
Pyrene	ND		ug/kg	160	50.	1
Biphenyl	ND		ug/kg	590	86.	1
4-Chloroaniline	ND		ug/kg	260	69.	1
2-Nitroaniline	ND		ug/kg	260	73.	1
3-Nitroaniline	ND		ug/kg	260	72.	1
4-Nitroaniline	ND		ug/kg	260	70.	1
Dibenzofuran	ND		ug/kg	260	87.	1
2-Methylnaphthalene	ND		ug/kg	310	83.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	260	81.	1
Acetophenone	ND		ug/kg	260	81.	1
2,4,6-Trichlorophenol	ND		ug/kg	160	49.	1
P-Chloro-M-Cresol	ND		ug/kg	260	75.	1
2-Chlorophenol	ND		ug/kg	260	78.	1
2,4-Dichlorophenol	ND		ug/kg	230	84.	1
2,4-Dimethylphenol	ND		ug/kg	260	78.	1
2-Nitrophenol	ND		ug/kg	560	81.	1
4-Nitrophenol	ND		ug/kg	360	84.	1
2,4-Dinitrophenol	ND		ug/kg	1200	360	1
4,6-Dinitro-o-cresol	ND		ug/kg	680	95.	1
Pentachlorophenol	ND		ug/kg	210	56.	1
Phenol	ND		ug/kg	260	77.	1
2-Methylphenol	ND		ug/kg	260	84.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	370	85.	1
2,4,5-Trichlorophenol	ND		ug/kg	260	84.	1
Benzoic Acid	ND		ug/kg	840	260	1
Benzyl Alcohol	ND		ug/kg	260	80.	1
Carbazole	ND		ug/kg	260	56.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08

Date Collected: 03/10/14 13:30

Client ID: D2-EP (16-17')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	64		0-136
4-Terphenyl-d14	66		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-09
Client ID: F2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 21:21
Analyst: RC
Percent Solids: 78%

Date Collected: 03/10/14 15:10
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	ND		ug/kg	120	41.	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-09

Date Collected: 03/10/14 15:10

Client ID: F2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	35.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	41.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	47.	1
Pyrene	ND		ug/kg	120	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-09

Date Collected: 03/10/14 15:10

Client ID: F2-EP (10-11')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	66		0-136
4-Terphenyl-d14	57		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-10
Client ID: F2-EP (11-12')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 21:46
Analyst: RC
Percent Solids: 87%

Date Collected: 03/10/14 15:15
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-10

Date Collected: 03/10/14 15:15

Client ID: F2-EP (11-12')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	40.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-10

Date Collected: 03/10/14 15:15

Client ID: F2-EP (11-12')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	59		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-11
Client ID: F2-EP (13-14')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 22:12
Analyst: RC
Percent Solids: 82%

Date Collected: 03/10/14 14:05
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	71	J	ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-11

Date Collected: 03/10/14 14:05

Client ID: F2-EP (13-14')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	60	J	ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	67	J	ug/kg	120	39.	1
Biphenyl	ND		ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-11

Date Collected: 03/10/14 14:05

Client ID: F2-EP (13-14')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	69		0-136
4-Terphenyl-d14	57		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12
Client ID: F2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 22:38
Analyst: RC
Percent Solids: 84%

Date Collected: 03/10/14 14:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12

Date Collected: 03/10/14 14:00

Client ID: F2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12

Date Collected: 03/10/14 14:00

Client ID: F2-EP (14-15')

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	52		18-120

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-13
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/14 23:04
Analyst: RC
Percent Solids: 77%

Date Collected: 03/10/14 00:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	70.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	60.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	70.	1
1,3-Dichlorobenzene	ND		ug/kg	210	67.	1
1,4-Dichlorobenzene	ND		ug/kg	210	65.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	ND		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	65.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	75.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	60.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	57.	1
Naphthalene	ND		ug/kg	210	71.	1
Nitrobenzene	ND		ug/kg	190	51.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	42.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-13

Date Collected: 03/10/14 00:00

Client ID: DUPLICATE

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	43.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	35.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	61.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	47.	1
Pyrene	ND		ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	70.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	60.	1
3-Nitroaniline	ND		ug/kg	210	59.	1
4-Nitroaniline	ND		ug/kg	210	58.	1
Dibenzofuran	ND		ug/kg	210	71.	1
2-Methylnaphthalene	ND		ug/kg	260	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	69.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	460	66.	1
4-Nitrophenol	ND		ug/kg	300	69.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	78.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	63.	1
2-Methylphenol	ND		ug/kg	210	69.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	69.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	66.	1
Carbazole	ND		ug/kg	210	46.	1

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-13

Date Collected: 03/10/14 00:00

Client ID: DUPLICATE

Date Received: 03/10/14

Sample Location: 520 W 28TH ST., NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	56		0-136
4-Terphenyl-d14	57		18-120

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/11/14 12:27
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 03/11/14 00:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG674644-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	100	32.



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/11/14 12:27
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 03/11/14 00:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG674644-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/11/14 12:27
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 03/11/14 00:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG674644-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	66		0-136
4-Terphenyl-d14	69		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG674644-2 WG674644-3								
Acenaphthene	63		57		31-137	10		50
1,2,4-Trichlorobenzene	59		55		38-107	7		50
Hexachlorobenzene	75		70		40-140	7		50
Bis(2-chloroethyl)ether	42		40		40-140	5		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	53		50		40-140	6		50
1,3-Dichlorobenzene	53		48		40-140	10		50
1,4-Dichlorobenzene	52		48		28-104	8		50
3,3'-Dichlorobenzidine	50		51		40-140	2		50
2,4-Dinitrotoluene	62		60		28-89	3		50
2,6-Dinitrotoluene	63		58		40-140	8		50
Fluoranthene	65		63		40-140	3		50
4-Chlorophenyl phenyl ether	70		64		40-140	9		50
4-Bromophenyl phenyl ether	74		69		40-140	7		50
Bis(2-chloroisopropyl)ether	27	Q	25	Q	40-140	8		50
Bis(2-chloroethoxy)methane	47		41		40-117	14		50
Hexachlorobutadiene	63		56		40-140	12		50
Hexachlorocyclopentadiene	49		44		40-140	11		50
Hexachloroethane	47		43		40-140	9		50
Isophorone	46		44		40-140	4		50
Naphthalene	55		50		40-140	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG674644-2 WG674644-3								
Nitrobenzene	49		44		40-140	11		50
NitrosoDiPhenylAmine(NDPA)/DPA	66		62			6		50
n-Nitrosodi-n-propylamine	44		41		32-121	7		50
Bis(2-Ethylhexyl)phthalate	56		53		40-140	6		50
Butyl benzyl phthalate	57		52		40-140	9		50
Di-n-butylphthalate	63		57		40-140	10		50
Di-n-octylphthalate	57		53		40-140	7		50
Diethyl phthalate	64		58		40-140	10		50
Dimethyl phthalate	64		58		40-140	10		50
Benzo(a)anthracene	65		60		40-140	8		50
Benzo(a)pyrene	66		60		40-140	10		50
Benzo(b)fluoranthene	60		57		40-140	5		50
Benzo(k)fluoranthene	71		66		40-140	7		50
Chrysene	64		60		40-140	6		50
Acenaphthylene	64		58		40-140	10		50
Anthracene	67		60		40-140	11		50
Benzo(ghi)perylene	68		63		40-140	8		50
Fluorene	66		60		40-140	10		50
Phenanthrene	66		60		40-140	10		50
Dibenzo(a,h)anthracene	68		63		40-140	8		50
Indeno(1,2,3-cd)Pyrene	72		63		40-140	13		50

Lab Control Sample Analysis Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG674644-2 WG674644-3								
Pyrene	64		60		35-142	6		50
Biphenyl	70		64			9		50
4-Chloroaniline	46		43		40-140	7		50
2-Nitroaniline	66		58		47-134	13		50
3-Nitroaniline	33		34		26-129	3		50
4-Nitroaniline	56		50		41-125	11		50
Dibenzofuran	67		62		40-140	8		50
2-Methylnaphthalene	64		57		40-140	12		50
1,2,4,5-Tetrachlorobenzene	68		64		40-117	6		50
Acetophenone	54		50		14-144	8		50
2,4,6-Trichlorophenol	70		65		30-130	7		50
P-Chloro-M-Cresol	59		54		26-103	9		50
2-Chlorophenol	54		48		25-102	12		50
2,4-Dichlorophenol	63		58		30-130	8		50
2,4-Dimethylphenol	56		53		30-130	6		50
2-Nitrophenol	53		50		30-130	6		50
4-Nitrophenol	46		44		11-114	4		50
2,4-Dinitrophenol	42		38		4-130	10		50
4,6-Dinitro-o-cresol	64		57		10-130	12		50
Pentachlorophenol	63		57		17-109	10		50
Phenol	49		46		26-90	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG674644-2 WG674644-3								
2-Methylphenol	51		48		30-130.	6		50
3-Methylphenol/4-Methylphenol	57		52		30-130	9		50
2,4,5-Trichlorophenol	71		64		30-130	10		50
Benzoic Acid	23		23			0		50
Benzyl Alcohol	48		46		40-140	4		50
Carbazole	67		61		54-128	9		50
Benzaldehyde	54		50			8		50
Caprolactam	41		34			19		50
Atrazine	72		66			9		50
2,3,4,6-Tetrachlorophenol	65		62			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		46		25-120
Phenol-d6	50		45		10-120
Nitrobenzene-d5	50		45		23-120
2-Fluorobiphenyl	69		64		30-120
2,4,6-Tribromophenol	83		71		0-136
4-Terphenyl-d14	69		64		18-120

PCBS

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01
Client ID: D3-EP (8-9')
Sample Location: 520 W 28TH ST. NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 12:11
Analyst: JW
Percent Solids: 88%

Date Collected: 03/10/14 11:45
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.90	1	A
Aroclor 1221	ND		ug/kg	36.8	3.39	1	A
Aroclor 1232	ND		ug/kg	36.8	4.31	1	A
Aroclor 1242	ND		ug/kg	36.8	4.50	1	A
Aroclor 1248	ND		ug/kg	36.8	3.10	1	A
Aroclor 1254	ND		ug/kg	36.8	3.02	1	A
Aroclor 1260	ND		ug/kg	36.8	2.80	1	A
Aroclor 1262	ND		ug/kg	36.8	1.82	1	A
Aroclor 1268	ND		ug/kg	36.8	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-02
Client ID: D3-EP (9-10')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 12:25
Analyst: JW
Percent Solids: 85%

Date Collected: 03/10/14 11:35
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	2.95	1	A
Aroclor 1221	ND		ug/kg	37.3	3.44	1	A
Aroclor 1232	ND		ug/kg	37.3	4.38	1	A
Aroclor 1242	ND		ug/kg	37.3	4.57	1	A
Aroclor 1248	ND		ug/kg	37.3	3.15	1	A
Aroclor 1254	ND		ug/kg	37.3	3.07	1	A
Aroclor 1260	ND		ug/kg	37.3	2.84	1	A
Aroclor 1262	ND		ug/kg	37.3	1.85	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-03
Client ID: D3-EP (13-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 12:38
Analyst: JW
Percent Solids: 85%

Date Collected: 03/10/14 12:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	3.03	1	A
Aroclor 1221	ND		ug/kg	38.3	3.53	1	A
Aroclor 1232	ND		ug/kg	38.3	4.49	1	A
Aroclor 1242	ND		ug/kg	38.3	4.69	1	A
Aroclor 1248	ND		ug/kg	38.3	3.23	1	A
Aroclor 1254	ND		ug/kg	38.3	3.15	1	A
Aroclor 1260	ND		ug/kg	38.3	2.92	1	A
Aroclor 1262	ND		ug/kg	38.3	1.90	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04
Client ID: D3-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 12:51
Analyst: JW
Percent Solids: 83%

Date Collected: 03/10/14 11:30
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	2.98	1	A
Aroclor 1221	ND		ug/kg	37.8	3.48	1	A
Aroclor 1232	ND		ug/kg	37.8	4.43	1	A
Aroclor 1242	ND		ug/kg	37.8	4.62	1	A
Aroclor 1248	ND		ug/kg	37.8	3.19	1	A
Aroclor 1254	ND		ug/kg	37.8	3.10	1	A
Aroclor 1260	ND		ug/kg	37.8	2.88	1	A
Aroclor 1262	ND		ug/kg	37.8	1.87	1	A
Aroclor 1268	ND		ug/kg	37.8	5.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-05
Client ID: D2-EP (8-9')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 13:04
Analyst: JW
Percent Solids: 84%

Date Collected: 03/10/14 12:15
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.47	1	A
Aroclor 1232	ND		ug/kg	37.6	4.41	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	3.17	1	A
Aroclor 1254	ND		ug/kg	37.6	3.09	1	A
Aroclor 1260	ND		ug/kg	37.6	2.86	1	A
Aroclor 1262	ND		ug/kg	37.6	1.86	1	A
Aroclor 1268	ND		ug/kg	37.6	5.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-06
Client ID: D2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 13:18
Analyst: JW
Percent Solids: 87%

Date Collected: 03/10/14 12:40
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	2.92	1	A
Aroclor 1221	ND		ug/kg	37.0	3.41	1	A
Aroclor 1232	ND		ug/kg	37.0	4.34	1	A
Aroclor 1242	ND		ug/kg	37.0	4.53	1	A
Aroclor 1248	ND		ug/kg	37.0	3.12	1	A
Aroclor 1254	ND		ug/kg	37.0	3.04	1	A
Aroclor 1260	ND		ug/kg	37.0	2.82	1	A
Aroclor 1262	ND		ug/kg	37.0	1.84	1	A
Aroclor 1268	ND		ug/kg	37.0	5.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-07
Client ID: D2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 13:31
Analyst: JW
Percent Solids: 80%

Date Collected: 03/10/14 12:50
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.7	3.21	1	A
Aroclor 1221	ND		ug/kg	40.7	3.75	1	A
Aroclor 1232	ND		ug/kg	40.7	4.77	1	A
Aroclor 1242	ND		ug/kg	40.7	4.98	1	A
Aroclor 1248	ND		ug/kg	40.7	3.43	1	A
Aroclor 1254	ND		ug/kg	40.7	3.34	1	A
Aroclor 1260	ND		ug/kg	40.7	3.10	1	A
Aroclor 1262	ND		ug/kg	40.7	2.02	1	A
Aroclor 1268	ND		ug/kg	40.7	5.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08
Client ID: D2-EP (16-17')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 13:44
Analyst: JW
Percent Solids: 63%

Date Collected: 03/10/14 13:30
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.8	4.10	1	A
Aroclor 1221	ND		ug/kg	51.8	4.78	1	A
Aroclor 1232	ND		ug/kg	51.8	6.08	1	A
Aroclor 1242	ND		ug/kg	51.8	6.34	1	A
Aroclor 1248	ND		ug/kg	51.8	4.38	1	A
Aroclor 1254	ND		ug/kg	51.8	4.26	1	A
Aroclor 1260	ND		ug/kg	51.8	3.95	1	A
Aroclor 1262	ND		ug/kg	51.8	2.57	1	A
Aroclor 1268	ND		ug/kg	51.8	7.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-09
Client ID: F2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 13:58
Analyst: JW
Percent Solids: 78%

Date Collected: 03/10/14 15:10
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.22	1	A
Aroclor 1221	ND		ug/kg	40.8	3.76	1	A
Aroclor 1232	ND		ug/kg	40.8	4.78	1	A
Aroclor 1242	ND		ug/kg	40.8	4.99	1	A
Aroclor 1248	ND		ug/kg	40.8	3.44	1	A
Aroclor 1254	ND		ug/kg	40.8	3.35	1	A
Aroclor 1260	ND		ug/kg	40.8	3.10	1	A
Aroclor 1262	ND		ug/kg	40.8	2.02	1	A
Aroclor 1268	ND		ug/kg	40.8	5.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-10
Client ID: F2-EP (11-12')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 14:11
Analyst: JW
Percent Solids: 87%

Date Collected: 03/10/14 15:15
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	2.89	1	A
Aroclor 1221	ND		ug/kg	36.5	3.37	1	A
Aroclor 1232	ND		ug/kg	36.5	4.28	1	A
Aroclor 1242	ND		ug/kg	36.5	4.47	1	A
Aroclor 1248	ND		ug/kg	36.5	3.08	1	A
Aroclor 1254	ND		ug/kg	36.5	3.00	1	A
Aroclor 1260	ND		ug/kg	36.5	2.78	1	A
Aroclor 1262	ND		ug/kg	36.5	1.81	1	A
Aroclor 1268	ND		ug/kg	36.5	5.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-11
Client ID: F2-EP (13-14')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 14:24
Analyst: JW
Percent Solids: 82%

Date Collected: 03/10/14 14:05
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.52	1	A
Aroclor 1232	ND		ug/kg	38.1	4.47	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.14	1	A
Aroclor 1260	ND		ug/kg	38.1	2.91	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12
Client ID: F2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 14:38
Analyst: JW
Percent Solids: 84%

Date Collected: 03/10/14 14:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.46	1	A
Aroclor 1232	ND		ug/kg	37.5	4.39	1	A
Aroclor 1242	ND		ug/kg	37.5	4.59	1	A
Aroclor 1248	ND		ug/kg	37.5	3.16	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.86	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-13
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/14 14:51
Analyst: JW
Percent Solids: 77%

Date Collected: 03/10/14 00:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:58
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.5	3.28	1	A
Aroclor 1221	ND		ug/kg	41.5	3.83	1	A
Aroclor 1232	ND		ug/kg	41.5	4.87	1	A
Aroclor 1242	ND		ug/kg	41.5	5.08	1	A
Aroclor 1248	ND		ug/kg	41.5	3.51	1	A
Aroclor 1254	ND		ug/kg	41.5	3.41	1	A
Aroclor 1260	ND		ug/kg	41.5	3.16	1	A
Aroclor 1262	ND		ug/kg	41.5	2.06	1	A
Aroclor 1268	ND		ug/kg	41.5	6.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 03/11/14 15:04
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 03/11/14 02:15
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/11/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-13 Batch: WG674665-1						
Aroclor 1016	ND		ug/kg	32.8	2.59	A
Aroclor 1221	ND		ug/kg	32.8	3.03	A
Aroclor 1232	ND		ug/kg	32.8	3.85	A
Aroclor 1242	ND		ug/kg	32.8	4.02	A
Aroclor 1248	ND		ug/kg	32.8	2.77	A
Aroclor 1254	ND		ug/kg	32.8	2.70	A
Aroclor 1260	ND		ug/kg	32.8	2.50	A
Aroclor 1262	ND		ug/kg	32.8	1.63	A
Aroclor 1268	ND		ug/kg	32.8	4.76	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	114		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-13 Batch: WG674665-2 WG674665-3									
Aroclor 1016	81		83		40-140	2		50	A
Aroclor 1260	93		95		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		96		30-150	A
Decachlorobiphenyl	91		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		90		30-150	B
Decachlorobiphenyl	103		100		30-150	B

PESTICIDES

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-01
Client ID: D3-EP (8-9')
Sample Location: 520 W 28TH ST. NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 07:23
Analyst: SH
Percent Solids: 88%

Date Collected: 03/10/14 11:45
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.342	1	A
Lindane	ND		ug/kg	0.727	0.325	1	A
Alpha-BHC	ND		ug/kg	0.727	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.662	1	A
Heptachlor	ND		ug/kg	0.872	0.391	1	A
Aldrin	ND		ug/kg	1.74	0.614	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.981	1	A
Endrin	ND		ug/kg	0.727	0.298	1	A
Dieldrin	ND		ug/kg	1.09	0.545	1	A
4,4'-DDE	ND		ug/kg	1.74	0.403	1	A
4,4'-DDD	ND		ug/kg	1.74	0.622	1	A
4,4'-DDT	ND		ug/kg	3.27	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.412	1	A
Endosulfan II	ND		ug/kg	1.74	0.583	1	A
Endosulfan sulfate	ND		ug/kg	0.727	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
cis-Chlordane	ND		ug/kg	2.18	0.608	1	A
trans-Chlordane	ND		ug/kg	2.18	0.576	1	A
Chlordane	ND		ug/kg	14.2	5.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-02
Client ID: D3-EP (9-10')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 07:36
Analyst: SH
Percent Solids: 85%

Date Collected: 03/10/14 11:35
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.311	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-03
Client ID: D3-EP (13-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 07:49
Analyst: SH
Percent Solids: 85%

Date Collected: 03/10/14 12:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.780	0.348	1	A
Alpha-BHC	ND		ug/kg	0.780	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.709	1	A
Heptachlor	ND		ug/kg	0.936	0.419	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.780	0.320	1	A
Dieldrin	ND		ug/kg	1.17	0.585	1	A
4,4'-DDE	ND		ug/kg	1.87	0.433	1	A
4,4'-DDD	ND		ug/kg	1.87	0.667	1	A
4,4'-DDT	ND		ug/kg	3.51	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.780	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A
trans-Chlordane	ND		ug/kg	2.34	0.617	1	A
Chlordane	ND		ug/kg	15.2	6.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-04
Client ID: D3-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 08:03
Analyst: SH
Percent Solids: 83%

Date Collected: 03/10/14 11:30
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.373	1	A
Lindane	ND		ug/kg	0.794	0.355	1	A
Alpha-BHC	ND		ug/kg	0.794	0.226	1	A
Beta-BHC	ND		ug/kg	1.90	0.723	1	A
Heptachlor	ND		ug/kg	0.953	0.427	1	A
Aldrin	ND		ug/kg	1.90	0.671	1	A
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	A
Endrin	ND		ug/kg	0.794	0.326	1	A
Dieldrin	ND		ug/kg	1.19	0.596	1	A
4,4'-DDE	ND		ug/kg	1.90	0.441	1	A
4,4'-DDD	ND		ug/kg	1.90	0.680	1	A
4,4'-DDT	ND		ug/kg	3.57	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.450	1	A
Endosulfan II	ND		ug/kg	1.90	0.637	1	A
Endosulfan sulfate	ND		ug/kg	0.794	0.378	1	A
Methoxychlor	ND		ug/kg	3.57	1.11	1	A
cis-Chlordane	ND		ug/kg	2.38	0.664	1	A
trans-Chlordane	ND		ug/kg	2.38	0.629	1	A
Chlordane	ND		ug/kg	15.5	6.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	128		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-05
Client ID: D2-EP (8-9')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 08:16
Analyst: SH
Percent Solids: 84%

Date Collected: 03/10/14 12:15
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.354	1	A
Lindane	ND		ug/kg	0.752	0.336	1	A
Alpha-BHC	ND		ug/kg	0.752	0.214	1	A
Beta-BHC	ND		ug/kg	1.80	0.685	1	A
Heptachlor	ND		ug/kg	0.903	0.405	1	A
Aldrin	ND		ug/kg	1.80	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.752	0.308	1	A
Dieldrin	ND		ug/kg	1.13	0.564	1	A
4,4'-DDE	ND		ug/kg	1.80	0.418	1	A
4,4'-DDD	ND		ug/kg	1.80	0.644	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.427	1	A
Endosulfan II	ND		ug/kg	1.80	0.603	1	A
Endosulfan sulfate	ND		ug/kg	0.752	0.358	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
cis-Chlordane	ND		ug/kg	2.26	0.629	1	A
trans-Chlordane	ND		ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	14.7	5.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-06
Client ID: D2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 08:29
Analyst: SH
Percent Solids: 87%

Date Collected: 03/10/14 12:40
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.408	1	A
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-07
Client ID: D2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 08:42
Analyst: SH
Percent Solids: 80%

Date Collected: 03/10/14 12:50
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.805	0.360	1	A
Alpha-BHC	ND		ug/kg	0.805	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.966	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.09	1	A
Endrin	ND		ug/kg	0.805	0.330	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.689	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.805	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.13	1	A
cis-Chlordane	ND		ug/kg	2.42	0.673	1	A
trans-Chlordane	ND		ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	15.7	6.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-08
Client ID: D2-EP (16-17')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 08:55
Analyst: SH
Percent Solids: 63%

Date Collected: 03/10/14 13:30
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.50	0.490	1	A
Lindane	ND		ug/kg	1.04	0.466	1	A
Alpha-BHC	ND		ug/kg	1.04	0.296	1	A
Beta-BHC	ND		ug/kg	2.50	0.948	1	A
Heptachlor	ND		ug/kg	1.25	0.561	1	A
Aldrin	ND		ug/kg	2.50	0.881	1	A
Heptachlor epoxide	ND		ug/kg	4.69	1.41	1	A
Endrin	ND		ug/kg	1.04	0.427	1	A
Dieldrin	ND		ug/kg	1.56	0.782	1	A
4,4'-DDE	ND		ug/kg	2.50	0.578	1	A
4,4'-DDD	ND		ug/kg	2.50	0.892	1	A
4,4'-DDT	ND		ug/kg	4.69	2.01	1	A
Endosulfan I	ND		ug/kg	2.50	0.591	1	A
Endosulfan II	ND		ug/kg	2.50	0.836	1	A
Endosulfan sulfate	ND		ug/kg	1.04	0.496	1	A
Methoxychlor	ND		ug/kg	4.69	1.46	1	A
cis-Chlordane	ND		ug/kg	3.13	0.871	1	A
trans-Chlordane	ND		ug/kg	3.13	0.825	1	A
Chlordane	ND		ug/kg	20.3	8.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-09
Client ID: F2-EP (10-11')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 09:09
Analyst: SH
Percent Solids: 78%

Date Collected: 03/10/14 15:10
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.391	1	A
Lindane	ND		ug/kg	0.832	0.372	1	A
Alpha-BHC	ND		ug/kg	0.832	0.236	1	A
Beta-BHC	ND		ug/kg	2.00	0.757	1	A
Heptachlor	ND		ug/kg	0.998	0.448	1	A
Aldrin	ND		ug/kg	2.00	0.703	1	A
Heptachlor epoxide	ND		ug/kg	3.74	1.12	1	A
Endrin	ND		ug/kg	0.832	0.341	1	A
Dieldrin	ND		ug/kg	1.25	0.624	1	A
4,4'-DDE	ND		ug/kg	2.00	0.462	1	A
4,4'-DDD	ND		ug/kg	2.00	0.712	1	A
4,4'-DDT	ND		ug/kg	3.74	1.60	1	A
Endosulfan I	ND		ug/kg	2.00	0.472	1	A
Endosulfan II	ND		ug/kg	2.00	0.667	1	A
Endosulfan sulfate	ND		ug/kg	0.832	0.396	1	A
Methoxychlor	ND		ug/kg	3.74	1.16	1	A
cis-Chlordane	ND		ug/kg	2.50	0.696	1	A
trans-Chlordane	ND		ug/kg	2.50	0.659	1	A
Chlordane	ND		ug/kg	16.2	6.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	129		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-10
Client ID: F2-EP (11-12')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 09:22
Analyst: SH
Percent Solids: 87%

Date Collected: 03/10/14 15:15
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.79	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.79	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.79	0.413	1	A
4,4'-DDD	ND		ug/kg	1.79	0.637	1	A
4,4'-DDT	ND		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.590	1	A
Chlordane	ND		ug/kg	14.5	5.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-11
Client ID: F2-EP (13-14')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 09:35
Analyst: SH
Percent Solids: 82%

Date Collected: 03/10/14 14:05
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.375	1	A
Lindane	ND		ug/kg	0.798	0.357	1	A
Alpha-BHC	ND		ug/kg	0.798	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.726	1	A
Heptachlor	ND		ug/kg	0.958	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.675	1	A
Heptachlor epoxide	ND		ug/kg	3.59	1.08	1	A
Endrin	ND		ug/kg	0.798	0.327	1	A
Dieldrin	ND		ug/kg	1.20	0.599	1	A
4,4'-DDE	ND		ug/kg	1.92	0.443	1	A
4,4'-DDD	ND		ug/kg	1.92	0.683	1	A
4,4'-DDT	ND		ug/kg	3.59	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.640	1	A
Endosulfan sulfate	ND		ug/kg	0.798	0.380	1	A
Methoxychlor	ND		ug/kg	3.59	1.12	1	A
cis-Chlordane	ND		ug/kg	2.40	0.667	1	A
trans-Chlordane	ND		ug/kg	2.40	0.632	1	A
Chlordane	ND		ug/kg	15.6	6.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-12
Client ID: F2-EP (14-15')
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 09:48
Analyst: SH
Percent Solids: 84%

Date Collected: 03/10/14 14:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 02:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.369	1	A
Lindane	ND		ug/kg	0.785	0.351	1	A
Alpha-BHC	ND		ug/kg	0.785	0.223	1	A
Beta-BHC	ND		ug/kg	1.88	0.714	1	A
Heptachlor	ND		ug/kg	0.942	0.422	1	A
Aldrin	ND		ug/kg	1.88	0.663	1	A
Heptachlor epoxide	ND		ug/kg	3.53	1.06	1	A
Endrin	ND		ug/kg	0.785	0.322	1	A
Dieldrin	ND		ug/kg	1.18	0.589	1	A
4,4'-DDE	ND		ug/kg	1.88	0.436	1	A
4,4'-DDD	ND		ug/kg	1.88	0.672	1	A
4,4'-DDT	ND		ug/kg	3.53	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.445	1	A
Endosulfan II	ND		ug/kg	1.88	0.629	1	A
Endosulfan sulfate	ND		ug/kg	0.785	0.374	1	A
Methoxychlor	ND		ug/kg	3.53	1.10	1	A
cis-Chlordane	ND		ug/kg	2.35	0.656	1	A
trans-Chlordane	ND		ug/kg	2.35	0.622	1	A
Chlordane	ND		ug/kg	15.3	6.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: W 28TH STREET**Lab Number:** L1404957**Project Number:** E040**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404957-13
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/12/14 10:01
Analyst: SH
Percent Solids: 77%

Date Collected: 03/10/14 00:00
Date Received: 03/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/11/14 03:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.392	1	A
Lindane	ND		ug/kg	0.833	0.372	1	A
Alpha-BHC	ND		ug/kg	0.833	0.236	1	A
Beta-BHC	ND		ug/kg	2.00	0.758	1	A
Heptachlor	ND		ug/kg	1.00	0.448	1	A
Aldrin	ND		ug/kg	2.00	0.704	1	A
Heptachlor epoxide	ND		ug/kg	3.75	1.12	1	A
Endrin	ND		ug/kg	0.833	0.342	1	A
Dieldrin	ND		ug/kg	1.25	0.625	1	A
4,4'-DDE	ND		ug/kg	2.00	0.462	1	A
4,4'-DDD	ND		ug/kg	2.00	0.713	1	A
4,4'-DDT	ND		ug/kg	3.75	1.61	1	A
Endosulfan I	ND		ug/kg	2.00	0.472	1	A
Endosulfan II	ND		ug/kg	2.00	0.668	1	A
Endosulfan sulfate	ND		ug/kg	0.833	0.396	1	A
Methoxychlor	ND		ug/kg	3.75	1.17	1	A
cis-Chlordane	ND		ug/kg	2.50	0.696	1	A
trans-Chlordane	ND		ug/kg	2.50	0.660	1	A
Chlordane	ND		ug/kg	16.2	6.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 03/12/14 07:10
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 03/11/14 02:11
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-13 Batch: WG674664-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.662	0.296	A
Alpha-BHC	ND		ug/kg	0.662	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.795	0.356	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.894	A
Endrin	ND		ug/kg	0.662	0.272	A
Dieldrin	ND		ug/kg	0.993	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.567	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.662	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.927	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.524	A
Chlordane	ND		ug/kg	12.9	5.26	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	113		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-13 Batch: WG674664-2 WG674664-3									
Delta-BHC	66		64		30-150	3		30	A
Lindane	67		65		30-150	3		30	A
Alpha-BHC	71		66		30-150	7		30	A
Beta-BHC	71		65		30-150	9		30	A
Heptachlor	77		71		30-150	8		30	A
Aldrin	79		74		30-150	7		30	A
Heptachlor epoxide	77		72		30-150	7		30	A
Endrin	86		81		30-150	6		30	A
Endrin ketone	81		77		30-150	5		30	A
Dieldrin	83		78		30-150	6		30	A
4,4'-DDE	79		74		30-150	7		30	A
4,4'-DDD	76		73		30-150	4		30	A
4,4'-DDT	86		81		30-150	6		30	A
Endosulfan I	79		75		30-150	5		30	A
Endosulfan II	81		76		30-150	6		30	A
Endosulfan sulfate	80		77		30-150	4		30	A
Methoxychlor	83		78		30-150	6		30	A
cis-Chlordane	81		76		30-150	6		30	A
trans-Chlordane	75		71		30-150	5		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-13 Batch: WG674664-2 WG674664-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		74		30-150	A
Decachlorobiphenyl	99		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		68		30-150	B
Decachlorobiphenyl	122		124		30-150	B

METALS

Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-01
 Client ID: D3-EP (8-9')
 Sample Location: 520 W 28TH ST. NY, NY
 Matrix: Soil
 Percent Solids: 88%

Date Collected: 03/10/14 11:45
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	8.8	1.8	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Arsenic, Total	8.4		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Barium, Total	35		mg/kg	0.88	0.26	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Beryllium, Total	0.24	J	mg/kg	0.44	0.09	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.88	0.06	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Calcium, Total	840		mg/kg	8.8	2.6	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Chromium, Total	9.1		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	1.8	0.44	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Copper, Total	13		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.4	1.8	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Lead, Total	8.4		mg/kg	4.4	0.18	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Magnesium, Total	2800		mg/kg	8.8	0.88	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Manganese, Total	190		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/11/14 11:36	03/11/14 14:45	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.35	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Potassium, Total	410		mg/kg	220	35.	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.26	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Sodium, Total	36	J	mg/kg	180	26.	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Vanadium, Total	11		mg/kg	0.88	0.09	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT
Zinc, Total	30		mg/kg	4.4	0.62	2	03/11/14 11:17	03/11/14 19:00	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-02
 Client ID: D3-EP (9-10')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 85%

Date Collected: 03/10/14 11:35
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8600		mg/kg	9.2	1.8	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Arsenic, Total	9.2		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Barium, Total	35		mg/kg	0.92	0.28	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Beryllium, Total	0.28	J	mg/kg	0.46	0.09	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.92	0.06	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Calcium, Total	860		mg/kg	9.2	2.8	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	1.8	0.46	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Copper, Total	15		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Iron, Total	16000		mg/kg	4.6	1.8	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Lead, Total	5.9		mg/kg	4.6	0.18	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Magnesium, Total	2900		mg/kg	9.2	0.92	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Manganese, Total	160		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/11/14 11:36	03/11/14 14:55	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.3	0.37	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Potassium, Total	500		mg/kg	230	37.	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.28	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Sodium, Total	42	J	mg/kg	180	28.	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Vanadium, Total	14		mg/kg	0.92	0.09	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT
Zinc, Total	32		mg/kg	4.6	0.64	2	03/11/14 11:17	03/11/14 19:04	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-03
 Client ID: D3-EP (13-15')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 85%

Date Collected: 03/10/14 12:00
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5000		mg/kg	9.0	1.8	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Arsenic, Total	5.1		mg/kg	0.90	0.18	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Barium, Total	17		mg/kg	0.90	0.27	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Beryllium, Total	0.23	J	mg/kg	0.45	0.09	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.90	0.06	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Calcium, Total	840		mg/kg	9.0	2.7	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.90	0.18	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Cobalt, Total	3.1		mg/kg	1.8	0.45	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Copper, Total	8.1		mg/kg	0.90	0.18	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Iron, Total	10000		mg/kg	4.5	1.8	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Lead, Total	6.2		mg/kg	4.5	0.18	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Magnesium, Total	1200		mg/kg	9.0	0.90	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Manganese, Total	60		mg/kg	0.90	0.18	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/11/14 11:36	03/11/14 14:57	EPA 7471B	1,7471B	MC
Nickel, Total	8.0		mg/kg	2.3	0.36	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Potassium, Total	350		mg/kg	230	36.	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.27	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Sodium, Total	48	J	mg/kg	180	27.	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Vanadium, Total	7.2		mg/kg	0.90	0.09	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT
Zinc, Total	26		mg/kg	4.5	0.63	2	03/11/14 11:17	03/11/14 19:08	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-04
 Client ID: D3-EP (14-15')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 83%

Date Collected: 03/10/14 11:30
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	9.3	1.8	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Arsenic, Total	3.5		mg/kg	0.93	0.18	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Barium, Total	10		mg/kg	0.93	0.28	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Beryllium, Total	0.16	J	mg/kg	0.46	0.09	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.93	0.07	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Calcium, Total	830		mg/kg	9.3	2.8	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Chromium, Total	8.2		mg/kg	0.93	0.18	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Cobalt, Total	2.3		mg/kg	1.8	0.46	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Copper, Total	5.8		mg/kg	0.93	0.18	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Iron, Total	6800		mg/kg	4.6	1.8	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Lead, Total	17		mg/kg	4.6	0.18	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Magnesium, Total	1300		mg/kg	9.3	0.93	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Manganese, Total	70		mg/kg	0.93	0.18	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/11/14 11:36	03/11/14 14:59	EPA 7471B	1,7471B	MC
Nickel, Total	6.3		mg/kg	2.3	0.37	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Potassium, Total	490		mg/kg	230	37.	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.28	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.93	0.18	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Sodium, Total	69	J	mg/kg	180	28.	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Vanadium, Total	7.8		mg/kg	0.93	0.09	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	4.6	0.65	2	03/11/14 11:17	03/11/14 19:12	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-05
 Client ID: D2-EP (8-9')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 84%

Date Collected: 03/10/14 12:15
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8000		mg/kg	9.2	1.8	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Arsenic, Total	8.3		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Barium, Total	35		mg/kg	0.92	0.28	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Beryllium, Total	0.24	J	mg/kg	0.46	0.09	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.92	0.07	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Calcium, Total	1900		mg/kg	9.2	2.8	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Cobalt, Total	5.5		mg/kg	1.8	0.46	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Copper, Total	20		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.6	1.8	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Lead, Total	43		mg/kg	4.6	0.18	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Magnesium, Total	3000		mg/kg	9.2	0.92	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Manganese, Total	200		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Mercury, Total	1.1		mg/kg	0.09	0.02	1	03/11/14 11:36	03/11/14 15:00	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.3	0.37	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Potassium, Total	740		mg/kg	230	37.	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.28	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Sodium, Total	77	J	mg/kg	180	28.	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.92	0.09	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT
Zinc, Total	43		mg/kg	4.6	0.65	2	03/11/14 11:17	03/11/14 19:15	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-06
 Client ID: D2-EP (14-15')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 87%

Date Collected: 03/10/14 12:40
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	8.9	1.8	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Arsenic, Total	3.2		mg/kg	0.89	0.18	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Barium, Total	15		mg/kg	0.89	0.26	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Beryllium, Total	0.15	J	mg/kg	0.44	0.09	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.89	0.06	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Calcium, Total	770		mg/kg	8.9	2.6	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Chromium, Total	9.0		mg/kg	0.89	0.18	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Cobalt, Total	2.8		mg/kg	1.8	0.44	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Copper, Total	7.0		mg/kg	0.89	0.18	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Iron, Total	6300		mg/kg	4.4	1.8	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Lead, Total	3.7	J	mg/kg	4.4	0.18	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Magnesium, Total	1700		mg/kg	8.9	0.89	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Manganese, Total	68		mg/kg	0.89	0.18	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/11/14 11:36	03/11/14 15:02	EPA 7471B	1,7471B	MC
Nickel, Total	6.7		mg/kg	2.2	0.35	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Potassium, Total	730		mg/kg	220	35.	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.26	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Sodium, Total	97	J	mg/kg	180	26.	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Vanadium, Total	8.6		mg/kg	0.89	0.09	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	4.4	0.62	2	03/11/14 11:17	03/11/14 18:26	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-07
 Client ID: D2-EP (10-11')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 80%

Date Collected: 03/10/14 12:50
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8600		mg/kg	9.8	2.0	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.79	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Arsenic, Total	8.3		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Barium, Total	30		mg/kg	0.98	0.30	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Beryllium, Total	0.28	J	mg/kg	0.49	0.10	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.98	0.07	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Calcium, Total	1400		mg/kg	9.8	3.0	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Cobalt, Total	6.7		mg/kg	2.0	0.49	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Copper, Total	14		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.9	2.0	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Lead, Total	8.1		mg/kg	4.9	0.20	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Magnesium, Total	3900		mg/kg	9.8	0.98	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Mercury, Total	0.06	J	mg/kg	0.09	0.02	1	03/11/14 11:36	03/11/14 15:04	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.5	0.39	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Potassium, Total	520		mg/kg	250	39.	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.30	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Sodium, Total	110	J	mg/kg	200	30.	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Vanadium, Total	14		mg/kg	0.98	0.10	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT
Zinc, Total	32		mg/kg	4.9	0.69	2	03/11/14 11:17	03/11/14 19:19	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-08
 Client ID: D2-EP (16-17')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 63%

Date Collected: 03/10/14 13:30
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9100		mg/kg	12	2.5	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	6.2	1.0	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	1.2	0.25	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Barium, Total	85		mg/kg	1.2	0.37	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Beryllium, Total	0.57	J	mg/kg	0.62	0.12	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	1.2	0.09	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Calcium, Total	2600		mg/kg	12	3.7	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	1.2	0.25	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Cobalt, Total	8.8		mg/kg	2.5	0.62	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Copper, Total	19		mg/kg	1.2	0.25	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Iron, Total	21000		mg/kg	6.2	2.5	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Lead, Total	9.3		mg/kg	6.2	0.25	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Magnesium, Total	5000		mg/kg	12	1.2	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	1.2	0.25	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Mercury, Total	0.07	J	mg/kg	0.12	0.02	1	03/11/14 11:36	03/11/14 15:06	EPA 7471B	1,7471B	MC
Nickel, Total	24		mg/kg	3.1	0.50	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Potassium, Total	3000		mg/kg	310	50.	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.5	0.37	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.2	0.25	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Sodium, Total	270		mg/kg	250	37.	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.5	0.50	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Vanadium, Total	23		mg/kg	1.2	0.12	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT
Zinc, Total	38		mg/kg	6.2	0.87	2	03/11/14 11:17	03/11/14 19:38	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-09
 Client ID: F2-EP (10-11')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 78%

Date Collected: 03/10/14 15:10
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	9.8	2.0	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.78	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Arsenic, Total	3.4		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Barium, Total	19		mg/kg	0.98	0.29	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Beryllium, Total	0.18	J	mg/kg	0.49	0.10	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.98	0.07	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Calcium, Total	870		mg/kg	9.8	2.9	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Chromium, Total	9.2		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Cobalt, Total	3.1		mg/kg	2.0	0.49	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Copper, Total	10		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Iron, Total	6900		mg/kg	4.9	2.0	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Lead, Total	2.8	J	mg/kg	4.9	0.20	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Magnesium, Total	1700		mg/kg	9.8	0.98	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Manganese, Total	65		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.10	0.02	1	03/11/14 11:36	03/11/14 15:08	EPA 7471B	1,7471B	MC
Nickel, Total	8.4		mg/kg	2.4	0.39	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Potassium, Total	650		mg/kg	240	39.	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.29	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.98	0.20	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Sodium, Total	160	J	mg/kg	200	29.	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Vanadium, Total	9.3		mg/kg	0.98	0.10	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	4.9	0.68	2	03/11/14 11:17	03/11/14 19:42	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-10
 Client ID: F2-EP (11-12")
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 87%

Date Collected: 03/10/14 15:15
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	8.8	1.8	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Arsenic, Total	3.3		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Barium, Total	19		mg/kg	0.88	0.26	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Beryllium, Total	0.14	J	mg/kg	0.44	0.09	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.88	0.06	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Calcium, Total	880		mg/kg	8.8	2.6	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Chromium, Total	9.8		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Cobalt, Total	2.8		mg/kg	1.8	0.44	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Copper, Total	11		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Iron, Total	6800		mg/kg	4.4	1.8	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Lead, Total	2.6	J	mg/kg	4.4	0.18	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Magnesium, Total	1600		mg/kg	8.8	0.88	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Manganese, Total	67		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/11/14 11:36	03/11/14 15:09	EPA 7471B	1,7471B	MC
Nickel, Total	7.0		mg/kg	2.2	0.35	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Potassium, Total	660		mg/kg	220	35.	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.26	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	180	26.	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Vanadium, Total	10		mg/kg	0.88	0.09	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	4.4	0.62	2	03/11/14 11:17	03/11/14 19:46	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-11
 Client ID: F2-EP (13-14')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 82%

Date Collected: 03/10/14 14:05
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.6	1.9	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Arsenic, Total	4.6		mg/kg	0.96	0.19	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Barium, Total	55		mg/kg	0.96	0.29	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Beryllium, Total	0.25	J	mg/kg	0.48	0.10	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.96	0.07	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Calcium, Total	4900		mg/kg	9.6	2.9	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Chromium, Total	9.5		mg/kg	0.96	0.19	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Cobalt, Total	3.3		mg/kg	1.9	0.48	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Copper, Total	14		mg/kg	0.96	0.19	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Iron, Total	8800		mg/kg	4.8	1.9	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Lead, Total	67		mg/kg	4.8	0.19	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Magnesium, Total	2200		mg/kg	9.6	0.96	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Manganese, Total	140		mg/kg	0.96	0.19	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Mercury, Total	0.89		mg/kg	0.08	0.02	1	03/11/14 11:36	03/11/14 15:15	EPA 7471B	1,7471B	MC
Nickel, Total	8.0		mg/kg	2.4	0.38	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Potassium, Total	760		mg/kg	240	38.	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.9	0.29	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Sodium, Total	210		mg/kg	190	29.	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Vanadium, Total	10		mg/kg	0.96	0.10	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT
Zinc, Total	39		mg/kg	4.8	0.67	2	03/11/14 11:17	03/11/14 19:50	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-12
 Client ID: F2-EP (14-15')
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 84%

Date Collected: 03/10/14 14:00
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4500		mg/kg	9.4	1.9	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Arsenic, Total	4.6		mg/kg	0.94	0.19	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Barium, Total	28		mg/kg	0.94	0.28	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Beryllium, Total	0.30	J	mg/kg	0.47	0.09	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.94	0.07	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Calcium, Total	950		mg/kg	9.4	2.8	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.94	0.19	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Cobalt, Total	3.8		mg/kg	1.9	0.47	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Copper, Total	13		mg/kg	0.94	0.19	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Iron, Total	8500		mg/kg	4.7	1.9	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Lead, Total	6.0		mg/kg	4.7	0.19	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Magnesium, Total	1900		mg/kg	9.4	0.94	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Manganese, Total	140		mg/kg	0.94	0.19	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.10	0.02	1	03/11/14 11:36	03/11/14 15:16	EPA 7471B	1,7471B	MC
Nickel, Total	8.5		mg/kg	2.3	0.37	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Potassium, Total	740		mg/kg	230	37.	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.9	0.28	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Sodium, Total	150	J	mg/kg	190	28.	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.37	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Vanadium, Total	14		mg/kg	0.94	0.09	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT
Zinc, Total	15		mg/kg	4.7	0.66	2	03/11/14 11:17	03/11/14 19:53	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-13
 Client ID: DUPLICATE
 Sample Location: 520 W 28TH ST., NY, NY
 Matrix: Soil
 Percent Solids: 77%

Date Collected: 03/10/14 00:00
 Date Received: 03/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	9.9	2.0	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.0	0.79	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Arsenic, Total	6.6		mg/kg	0.99	0.20	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Barium, Total	63		mg/kg	0.99	0.30	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Beryllium, Total	0.36	J	mg/kg	0.50	0.10	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.99	0.07	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Calcium, Total	1800		mg/kg	9.9	3.0	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.99	0.20	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Cobalt, Total	5.1		mg/kg	2.0	0.50	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Copper, Total	11		mg/kg	0.99	0.20	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Iron, Total	13000		mg/kg	5.0	2.0	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Lead, Total	5.7		mg/kg	5.0	0.20	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Magnesium, Total	2700		mg/kg	9.9	0.99	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Manganese, Total	190		mg/kg	0.99	0.20	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/11/14 11:36	03/11/14 15:18	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.5	0.40	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Potassium, Total	1600		mg/kg	250	40.	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.30	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.99	0.20	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Sodium, Total	170	J	mg/kg	200	30.	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.99	0.10	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT
Zinc, Total	20		mg/kg	5.0	0.69	2	03/11/14 11:17	03/11/14 19:57	EPA 3050B	1,6010C	TT



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-13 Batch: WG674741-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Copper, Total	0.42		mg/kg	0.40	0.08	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Iron, Total	1.3	J	mg/kg	2.0	0.80	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Magnesium, Total	0.48	J	mg/kg	4.0	0.40	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	03/11/14 11:17	03/11/14 18:19	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-13 Batch: WG674754-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/11/14 11:36	03/11/14 14:26	1,7471B	MC



Project Name: W 28TH STREET

Lab Number: L1404957

Project Number: E040

Report Date: 03/12/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-13 Batch: WG674741-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	78		-		29-171	-		
Antimony, Total	102		-		4-196	-		
Arsenic, Total	90		-		81-119	-		
Barium, Total	83		-		83-118	-		
Beryllium, Total	86		-		83-117	-		
Cadmium, Total	85		-		82-117	-		
Calcium, Total	87		-		83-117	-		
Chromium, Total	88		-		80-119	-		
Cobalt, Total	89		-		83-117	-		
Copper, Total	92		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	86		-		80-120	-		
Magnesium, Total	92		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	83		-		82-117	-		
Potassium, Total	91		-		74-126	-		
Selenium, Total	91		-		80-120	-		
Silver, Total	93		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	86		-		79-120	-		
Vanadium, Total	81		-		79-121	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-13 Batch: WG674741-2 SRM Lot Number: 0518-10-02					
Zinc, Total	88	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01-13 Batch: WG674754-2 SRM Lot Number: 0518-10-02					
Mercury, Total	114	-	67-133	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674741-4 QC Sample: L1404957-06 Client ID: D2-EP (14-15')												
Aluminum, Total	3100	178	2800	0	Q	-	-		75-125	-		35
Antimony, Total	ND	44.5	38	85		-	-		75-125	-		35
Arsenic, Total	3.2	10.7	12	82		-	-		75-125	-		35
Barium, Total	15.	178	170	87		-	-		75-125	-		35
Beryllium, Total	0.15J	4.45	4.0	90		-	-		75-125	-		35
Cadmium, Total	ND	4.54	3.8	84		-	-		75-125	-		35
Calcium, Total	770	891	1600	93		-	-		75-125	-		35
Chromium, Total	9.0	17.8	25	90		-	-		75-125	-		35
Cobalt, Total	2.8	44.5	42	88		-	-		75-125	-		35
Copper, Total	7.0	22.3	28	94		-	-		75-125	-		35
Iron, Total	6300	89.1	6000	0	Q	-	-		75-125	-		35
Lead, Total	3.7J	45.4	45	99		-	-		75-125	-		35
Magnesium, Total	1700	891	2100	45	Q	-	-		75-125	-		35
Manganese, Total	68.	44.5	94	58	Q	-	-		75-125	-		35
Nickel, Total	6.7	44.5	44	84		-	-		75-125	-		35
Potassium, Total	730	891	1300	64	Q	-	-		75-125	-		35
Selenium, Total	ND	10.7	9.5	89		-	-		75-125	-		35
Silver, Total	ND	26.7	24	90		-	-		75-125	-		35
Sodium, Total	97.J	891	970	109		-	-		75-125	-		35
Thallium, Total	ND	10.7	8.5	79		-	-		75-125	-		35
Vanadium, Total	8.6	44.5	49	91		-	-		75-125	-		35

Matrix Spike Analysis Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674741-4 QC Sample: L1404957-06 Client ID: D2-EP (14-15')									
Zinc, Total	11.	44.5	49	85	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674754-4 QC Sample: L1404957-01 Client ID: D3-EP (8-9')									
Mercury, Total	ND	0.157	0.14	89	-	-	80-120	-	35

Lab Duplicate Analysis Batch Quality Control

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674741-3 QC Sample: L1404957-06 Client ID: D2-EP (14-15')						
Aluminum, Total	3100	2600	mg/kg	18		35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	3.2	3.1	mg/kg	3		35
Barium, Total	15.	13	mg/kg	14		35
Beryllium, Total	0.15J	0.16J	mg/kg	NC		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Calcium, Total	770	670	mg/kg	14		35
Chromium, Total	9.0	10	mg/kg	11		35
Cobalt, Total	2.8	2.0	mg/kg	33		35
Copper, Total	7.0	6.8	mg/kg	3		35
Iron, Total	6300	6100	mg/kg	3		35
Lead, Total	3.7J	3.9J	mg/kg	NC		35
Magnesium, Total	1700	1300	mg/kg	27		35
Manganese, Total	68.	60	mg/kg	13		35
Nickel, Total	6.7	5.4	mg/kg	21		35
Potassium, Total	730	620	mg/kg	16		35
Selenium, Total	ND	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	97.J	90J	mg/kg	NC		35

Project Name: W 28TH STREET
Project Number: E040

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1404957
Report Date: 03/12/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674741-3 QC Sample: L1404957-06 Client ID: D2-EP (14-15')					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.6	9.1	mg/kg	6	35
Zinc, Total	11.	10	mg/kg	10	35
Total Metals - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674754-3 QC Sample: L1404957-01 Client ID: D3-EP (8-9')					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS & MISCELLANEOUS

Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-01**Client ID:** D3-EP (8-9')**Sample Location:** 520 W 28TH ST. NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 11:45**Date Received:** 03/10/14**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	87.9		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-02**Client ID:** D3-EP (9-10')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 11:35**Date Received:** 03/10/14**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	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-03**Client ID:** D3-EP (13-15')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 12:00**Date Received:** 03/10/14**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	85.0		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-04**Client ID:** D3-EP (14-15')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 11:30**Date Received:** 03/10/14**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	83.4		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-05**Client ID:** D2-EP (8-9')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 12:15**Date Received:** 03/10/14**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	83.9		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-06**Client ID:** D2-EP (14-15')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 12:40**Date Received:** 03/10/14**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	86.6		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-07**Client ID:** D2-EP (10-11')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 12:50**Date Received:** 03/10/14**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	80.4		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-08**Client ID:** D2-EP (16-17')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 13:30**Date Received:** 03/10/14**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	63.0		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-09**Client ID:** F2-EP (10-11')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 15:10**Date Received:** 03/10/14**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	78.4		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-10**Client ID:** F2-EP (11-12')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 15:15**Date Received:** 03/10/14**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	86.9		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-11**Client ID:** F2-EP (13-14')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 14:05**Date Received:** 03/10/14**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	82.4		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Number:** L1404957**Report Date:** 03/12/14**SAMPLE RESULTS****Lab ID:** L1404957-12**Client ID:** F2-EP (14-15')**Sample Location:** 520 W 28TH ST., NY, NY**Matrix:** Soil**Date Collected:** 03/10/14 14:00**Date Received:** 03/10/14**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	84.1		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

SAMPLE RESULTS

Lab ID: L1404957-13

Client ID: DUPLICATE

Sample Location: 520 W 28TH ST., NY, NY

Matrix: Soil

Date Collected: 03/10/14 00:00

Date Received: 03/10/14

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	77.4		%	0.100	NA	1	-	03/11/14 02:23	30,2540G	RT



Project Name: W 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1404957**Report Date:** 03/12/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG674667-1 QC Sample: L1404928-01 Client ID: DUP Sample						
Solids, Total	95.5	95.4	%	0		20

Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/11/2014 00:52

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404957-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-01E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-02A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-02B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-02C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-02E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404957-02X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-02Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-02Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-03A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-03B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-03C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-03E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1404957-03X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-03Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-03Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-04A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-04B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-04C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-04D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-04E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1404957-04X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-04Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-04Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-05A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-05B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-05C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404957-05D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-05E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-05X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-05Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-05Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-06A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06A1	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06A2	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06B1	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06B2	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-06C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06C1	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06C2	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-06D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-06D1	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-06D2	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-06E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-06W	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-06X	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-06Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-06Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404957-07A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-07B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-07C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-07D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-07E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-07X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-07Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-07Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-08A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-08B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-08C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-08D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-08E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-08X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-08Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-08Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-09A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-09B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-09C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-09D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404957-09E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-09X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-09Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-09Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-10A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-10B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-10C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-10D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-10E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-10X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-10Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-10Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-11A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-11B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-11C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-11D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404957-11E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-11X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-11Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-11Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-12A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-12B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-12C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-12D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1404957-12E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-12X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-12Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-12Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-13A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-13B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-13C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1404957-13D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: W 28TH STREET

Project Number: E040

Lab Number: L1404957

Report Date: 03/12/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404957-13E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1404957-13X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-13Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1404957-13Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: W 28TH STREET
Project Number: E040

Lab Number: L1404957
Report Date: 03/12/14

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: W 28TH STREET
Project Number: E040

Lab Number: L1404957
Report Date: 03/12/14

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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: W 28TH STREET
Project Number: E040

Lab Number: L1404957
Report Date: 03/12/14

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, SM4500CI-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.



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

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

CHAIN OF CUSTODY

PAGE

OF

Date Rec'd in Lab:

ALPHA Job #: L1404957

Project Information

Project Name: W28TH STREET

Project Location: 520 W 28TH ST., NY, NY

Project #: EO 40

Project Manager: AUNA CARROLL

ALPHA Quote #:

Turn-Around Time

☐ Standard

~~☐~~ **RUSH** (only confirmed if pre-approved!)

Date Due:

Time: 5/12/14

Report Information - Data Deliverables

FAX

EMAIL

☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

	Criteria

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY SUITE 1601
NY, NY

Phone: 212. 440. 6715

Fax:

SMCTAVEV@INTEGRAL-CORP.COM

Email: ACARROLL@ " "

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

[illegible]

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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.



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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd In Lab: 3/10/14

ALPHA Job #: L1404957

Project Information

Project Name: W 28TH STREET

Project Location: 520 W 28TH ST, NY, NY

Project #: E040

Project Manager: ALANA CARROLL

ALPHA Quote #:

Turn-Around Time

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

Date Due: 2-DAY

Time: 3/12/14

Report Information - Data Deliverables

☐ FAX☐ EMAIL☒ ADEx☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY, SUITE 1601
NY, NY

Phone: 212-440-6715

Fax:

Email: SMLTAVBY@INTEGRAL-CON.COM
A CARROLL @ " " "☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Regulatory Requirements/Report Limits

State /Fed Program

Criteria

SAMPLE HANDLING

Filtration _____

☐ Done☐ Not needed☐ Lab to do

Preservation _____

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											(Please specify below)	TOTAL
		Date	Time														
04957.11	F2-EP(10-11')	3/10/14	15:10	S	SM	X	X	X	X	X							5
12	F2-EP(11-12')		15:15	S			X	X	X	X							5
13	F2-EP(13-14')		14:05	S			X	X	X	X							5
14	F2-EP(14-15)		14:00	S			X	X	X	X							5
15	DUPLICATE		-	S			X	X	X	X							5
	FIELD BLANK		15:20	AQ													3
	TRIP BLANK	✓	-	AQ	-	✓											2

Container-Type: E/V A A A A

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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:	L1324515
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	514-520 W 28TH STREET
Project Number:	E040
Report Date:	12/10/13

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324515-01	G1-EP (18')	514-520 W 28TH ST, NY, NY	12/03/13 11:35
L1324515-02	F2-EP (15')	514-520 W 28TH ST, NY, NY	12/03/13 10:35
L1324515-03	F2-EP (18')	514-520 W 28TH ST, NY, NY	12/03/13 11:00
L1324515-04	E1-EP (21')	514-520 W 28TH ST, NY, NY	12/03/13 09:45
L1324515-05	D2-EP (15')	514-520 W 28TH ST, NY, NY	12/03/13 10:00
L1324515-06	D2-EP (19.5')	514-520 W 28TH ST, NY, NY	12/03/13 10:15
L1324515-07	C1-EP (18.5')	514-520 W 28TH ST, NY, NY	12/02/13 16:00
L1324515-08	A1-EP (21')	514-520 W 28TH ST, NY, NY	12/03/13 09:15
L1324515-09	B3-EP (21')	514-520 W 28TH ST, NY, NY	12/02/13 11:45
L1324515-10	A4-EP (21')	514-520 W 28TH ST, NY, NY	12/02/13 11:15
L1324515-11	B5-EP (18')	514-520 W 28TH ST, NY, NY	12/02/13 13:15
L1324515-12	C6-EP (18')	514-520 W 28TH ST, NY, NY	12/02/13 12:30
L1324515-13	A6-EP (18')	514-520 W 28TH ST, NY, NY	12/02/13 14:50
L1324515-14	DUPLICATE	514-520 W 28TH ST, NY, NY	12/02/13 00:00
L1324515-15	FIELD BLANK	514-520 W 28TH ST, NY, NY	12/03/13 12:45
L1324515-16	TRIP BLANK	514-520 W 28TH ST, NY, NY	12/03/13 00:00

Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

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: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

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.

Volatile Organics

L1324515-15: The Field Blank has a result for acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG657527-4/-5 MS/MSD recoveries, performed on L1324515-10, are outside the acceptance criteria for o-chlorotoluene (MSD at 67%), hexachlorobutadiene (57%/62%), 1,2,4-trichlorobenzene (MS at 68%), 1,2,4,5-tetramethylbenzene (MS at 69%), acetone (206%/195%) and 2-butanone (146%/135%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics

The WG656386-4 MS recovery, performed on L1324515-10, is above the acceptance criteria for 2,4-dinitrotoluene (91%).

Organochlorine Pesticides

The surrogate recoveries for L1324515-08 are above the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (4850%/173%). Since the sample was non-detect for all target analytes, re-analysis was not required.

Metals

L1324515-01 through -14 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG657034-1 Method Blank, associated with L1324515-01 through -14, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG657034-3/-4 MS/MSD recoveries, performed on L1324515-10, are above the acceptance criteria for

Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

Case Narrative (continued)

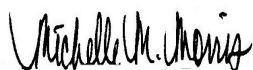
calcium (216%/367%) and magnesium (152%/173%). A post digestion spike was performed with unacceptable recoveries for calcium (66%) and magnesium (60%). This has been attributed to sample matrix.

The WG657034-3/-4 MS/MSD recoveries for aluminum (433%/432%), iron (1410%/1620%) and manganese (MS at 130%), performed on L1324515-10, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG657419-3 MS recovery, performed on L1324515-10, is above the acceptance criteria for mercury (152%). A post digestion spike was performed with an unacceptable recovery of 162%. This has been attributed to sample matrix.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 12/10/13

ORGANICS

VOLATILES

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-01
Client ID: G1-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 17:07
Analyst: BN
Percent Solids: 85%

Date Collected: 12/03/13 11:35
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.29	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.22	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.10	1
p/m-Xylene	ND		ug/kg	1.9	0.30	1
o-Xylene	ND		ug/kg	1.9	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Styrene	ND		ug/kg	1.9	0.29	1
Acetone	3.6	J	ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.9	1
2-Butanone	ND		ug/kg	9.3	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.16	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-01**Date Collected:** 12/03/13 11:35**Client ID:** G1-EP (18')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.7	0.52	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.7	0.72	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.53	1
Ethyl Acetate	ND		ug/kg	19	0.76	1
1,4-Dioxane	ND		ug/kg	93	16.	1
Freon-113	ND		ug/kg	19	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-02
Client ID: F2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 14:37
Analyst: PP
Percent Solids: 64%

Date Collected: 12/03/13 10:35
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.42	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.33	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.44	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Styrene	ND		ug/kg	2.7	0.42	1
Acetone	6.0	J	ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
n-Butylbenzene	ND		ug/kg	1.3	0.27	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-02**Date Collected:** 12/03/13 10:35**Client ID:** F2-EP (15')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.76	1
Isopropylbenzene	ND		ug/kg	1.3	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
Ethyl Acetate	ND		ug/kg	27	1.1	1
1,4-Dioxane	ND		ug/kg	130	23.	1
Freon-113	ND		ug/kg	27	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-03
Client ID: F2-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 18:03
Analyst: BN
Percent Solids: 84%

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.15	1
Styrene	ND		ug/kg	2.0	0.30	1
Acetone	ND		ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	ND		ug/kg	9.8	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-03**Date Collected:** 12/03/13 11:00**Client ID:** F2-EP (18')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	ND		ug/kg	4.9	0.75	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Ethyl Acetate	ND		ug/kg	20	0.80	1
1,4-Dioxane	ND		ug/kg	98	17.	1
Freon-113	ND		ug/kg	20	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-04
Client ID: E1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 18:31
Analyst: BN
Percent Solids: 75%

Date Collected: 12/03/13 09:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - 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
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	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
Vinyl chloride	ND		ug/kg	2.2	0.15	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	ND		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
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
Styrene	ND		ug/kg	2.2	0.33	1
Acetone	5.0	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-04**Date Collected:** 12/03/13 09:45**Client ID:** E1-EP (21')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.60	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
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
Ethyl Acetate	ND		ug/kg	22	0.88	1
1,4-Dioxane	ND		ug/kg	110	19.	1
Freon-113	ND		ug/kg	22	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-05
Client ID: D2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 18:58
Analyst: BN
Percent Solids: 72%

Date Collected: 12/03/13 10:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.31	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	0.85	J	ug/kg	1.3	0.19	1
Styrene	ND		ug/kg	2.5	0.39	1
Acetone	57		ug/kg	13	3.9	1
Carbon disulfide	2.9	J	ug/kg	13	2.5	1
2-Butanone	12	J	ug/kg	13	0.45	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.28	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-05**Date Collected:** 12/03/13 10:00**Client ID:** D2-EP (15')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.71	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.3	0.98	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.73	1
Ethyl Acetate	ND		ug/kg	25	1.0	1
1,4-Dioxane	ND		ug/kg	130	22.	1
Freon-113	ND		ug/kg	25	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-06
Client ID: D2-EP (19.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 19:26
Analyst: BN
Percent Solids: 82%

Date Collected: 12/03/13 10:15
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.26	1
cis-1,2-Dichloroethene	0.40	J	ug/kg	0.98	0.15	1
Styrene	ND		ug/kg	2.0	0.30	1
Acetone	5.9	J	ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	ND		ug/kg	9.8	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-06**Date Collected:** 12/03/13 10:15**Client ID:** D2-EP (19.5')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	ND		ug/kg	4.9	0.75	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Ethyl Acetate	ND		ug/kg	20	0.80	1
1,4-Dioxane	ND		ug/kg	98	17.	1
Freon-113	ND		ug/kg	20	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-07
Client ID: C1-EP (18.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 15:05
Analyst: PP
Percent Solids: 79%

Date Collected: 12/02/13 16:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - 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	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	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
Vinyl chloride	ND		ug/kg	2.2	0.15	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	ND		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
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	0.30	1
cis-1,2-Dichloroethene	1.2		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.2	0.34	1
Acetone	ND		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-07
 Client ID: C1-EP (18.5')
 Sample Location: 514-520 W 28TH ST, NY, NY

Date Collected: 12/02/13 16:00
 Date Received: 12/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	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	0.84	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	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
Ethyl Acetate	ND		ug/kg	22	0.89	1
1,4-Dioxane	ND		ug/kg	110	19.	1
Freon-113	ND		ug/kg	22	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-08
Client ID: A1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 15:32
Analyst: PP
Percent Solids: 80%

Date Collected: 12/03/13 09:15
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	1.6		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1
Methyl tert butyl ether	1.8	J	ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	11		ug/kg	1.0	0.15	1
Styrene	ND		ug/kg	2.0	0.32	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-08**Date Collected:** 12/03/13 09:15**Client ID:** A1-EP (21')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.58	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.1	0.79	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.59	1
Ethyl Acetate	ND		ug/kg	20	0.84	1
1,4-Dioxane	ND		ug/kg	100	18.	1
Freon-113	ND		ug/kg	20	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-09
Client ID: B3-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 16:00
Analyst: PP
Percent Solids: 89%

Date Collected: 12/02/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.15	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.85	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.19	1
Dibromochloromethane	ND		ug/kg	0.85	0.26	1
Tetrachloroethene	ND		ug/kg	0.85	0.12	1
Chlorobenzene	ND		ug/kg	0.85	0.30	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	0.09	1
Benzene	ND		ug/kg	0.85	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.85	0.12	1
Vinyl chloride	ND		ug/kg	1.7	0.12	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.85	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	0.21	1
Methyl tert butyl ether	0.58	J	ug/kg	1.7	0.09	1
p/m-Xylene	ND		ug/kg	1.7	0.28	1
o-Xylene	ND		ug/kg	1.7	0.23	1
cis-1,2-Dichloroethene	4.5		ug/kg	0.85	0.13	1
Styrene	ND		ug/kg	1.7	0.26	1
Acetone	3.5	J	ug/kg	8.5	2.6	1
Carbon disulfide	ND		ug/kg	8.5	1.7	1
2-Butanone	ND		ug/kg	8.5	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	8.5	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.3	0.15	1
n-Butylbenzene	ND		ug/kg	0.85	0.17	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-09**Date Collected:** 12/02/13 11:45**Client ID:** B3-EP (21')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.85	0.18	1
tert-Butylbenzene	ND		ug/kg	4.3	0.48	1
Isopropylbenzene	ND		ug/kg	0.85	0.14	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.16	1
Naphthalene	ND		ug/kg	4.3	0.66	1
n-Propylbenzene	ND		ug/kg	0.85	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.3	0.49	1
Ethyl Acetate	ND		ug/kg	17	0.70	1
1,4-Dioxane	ND		ug/kg	85	15.	1
Freon-113	ND		ug/kg	17	0.23	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.11	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-10
Client ID: A4-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 16:28
Analyst: PP
Percent Solids: 85%

Date Collected: 12/02/13 11:15
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.0	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.16	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.90	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.90	0.28	1
Tetrachloroethene	ND		ug/kg	0.90	0.12	1
Chlorobenzene	ND		ug/kg	0.90	0.31	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.90	0.10	1
Benzene	ND		ug/kg	0.90	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	ND		ug/kg	0.90	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.09	1
p/m-Xylene	ND		ug/kg	1.8	0.29	1
o-Xylene	ND		ug/kg	1.8	0.24	1
cis-1,2-Dichloroethene	1.3		ug/kg	0.90	0.13	1
Styrene	ND		ug/kg	1.8	0.28	1
Acetone	3.6	J	ug/kg	9.0	2.8	1
Carbon disulfide	ND		ug/kg	9.0	1.8	1
2-Butanone	ND		ug/kg	9.0	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	9.0	0.20	1
1,3-Dichloropropane	ND		ug/kg	4.5	0.15	1
n-Butylbenzene	ND		ug/kg	0.90	0.18	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-10**Date Collected:** 12/02/13 11:15**Client ID:** A4-EP (21')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.90	0.18	1
tert-Butylbenzene	ND		ug/kg	4.5	0.50	1
Isopropylbenzene	ND		ug/kg	0.90	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.17	1
Naphthalene	ND		ug/kg	4.5	0.69	1
n-Propylbenzene	ND		ug/kg	0.90	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	0.51	1
Ethyl Acetate	ND		ug/kg	18	0.73	1
1,4-Dioxane	ND		ug/kg	90	16.	1
Freon-113	ND		ug/kg	18	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-11
Client ID: B5-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 17:52
Analyst: PP
Percent Solids: 79%

Date Collected: 12/02/13 13:15
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	0.39	J	ug/kg	1.0	0.15	1
Styrene	ND		ug/kg	2.0	0.32	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-11**Date Collected:** 12/02/13 13:15**Client ID:** B5-EP (18')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.1	0.79	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.59	1
Ethyl Acetate	ND		ug/kg	20	0.84	1
1,4-Dioxane	ND		ug/kg	100	18.	1
Freon-113	ND		ug/kg	20	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-12
Client ID: C6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 18:20
Analyst: PP
Percent Solids: 83%

Date Collected: 12/02/13 12:30
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.15	1
Styrene	ND		ug/kg	2.0	0.30	1
Acetone	ND		ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	ND		ug/kg	9.8	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-12**Date Collected:** 12/02/13 12:30**Client ID:** C6-EP (18')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	ND		ug/kg	4.9	0.76	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Ethyl Acetate	ND		ug/kg	20	0.81	1
1,4-Dioxane	ND		ug/kg	98	17.	1
Freon-113	ND		ug/kg	20	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-13
Client ID: A6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 18:48
Analyst: PP
Percent Solids: 83%

Date Collected: 12/02/13 14:50
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Styrene	ND		ug/kg	1.8	0.29	1
Acetone	ND		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	ND		ug/kg	9.3	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-13**Date Collected:** 12/02/13 14:50**Client ID:** A6-EP (18')**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Ethyl Acetate	ND		ug/kg	18	0.76	1
1,4-Dioxane	ND		ug/kg	93	16.	1
Freon-113	ND		ug/kg	18	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-14
Client ID: DUPLICATE
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 19:16
Analyst: PP
Percent Solids: 87%

Date Collected: 12/02/13 00:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.6	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.15	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.86	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.20	1
Dibromochloromethane	ND		ug/kg	0.86	0.26	1
Tetrachloroethene	ND		ug/kg	0.86	0.12	1
Chlorobenzene	ND		ug/kg	0.86	0.30	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	0.86	0.10	1
Benzene	ND		ug/kg	0.86	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.86	0.13	1
Vinyl chloride	ND		ug/kg	1.7	0.12	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.86	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	0.21	1
Methyl tert butyl ether	0.59	J	ug/kg	1.7	0.09	1
p/m-Xylene	ND		ug/kg	1.7	0.28	1
o-Xylene	ND		ug/kg	1.7	0.23	1
cis-1,2-Dichloroethene	5.0		ug/kg	0.86	0.13	1
Styrene	ND		ug/kg	1.7	0.26	1
Acetone	ND		ug/kg	8.6	2.6	1
Carbon disulfide	ND		ug/kg	8.6	1.7	1
2-Butanone	ND		ug/kg	8.6	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	8.6	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.3	0.15	1
n-Butylbenzene	ND		ug/kg	0.86	0.17	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-14**Date Collected:** 12/02/13 00:00**Client ID:** DUPLICATE**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
sec-Butylbenzene	ND		ug/kg	0.86	0.18	1
tert-Butylbenzene	ND		ug/kg	4.3	0.48	1
Isopropylbenzene	ND		ug/kg	0.86	0.14	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.16	1
Naphthalene	ND		ug/kg	4.3	0.66	1
n-Propylbenzene	ND		ug/kg	0.86	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.3	0.49	1
Ethyl Acetate	ND		ug/kg	17	0.70	1
1,4-Dioxane	ND		ug/kg	86	15.	1
Freon-113	ND		ug/kg	17	0.23	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.11	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-15
Client ID: FIELD BLANK
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/08/13 15:40
Analyst: PD

Date Collected: 12/03/13 12:45
Date Received: 12/03/13
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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
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
Vinyl chloride	ND		ug/l	1.0	0.33	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
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
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	5.0		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
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-15
 Client ID: FIELD BLANK
 Sample Location: 514-520 W 28TH ST, NY, NY

Date Collected: 12/03/13 12:45
 Date Received: 12/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Ethyl Acetate	ND		ug/l	10	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-16
Client ID: TRIP BLANK
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/08/13 16:07
Analyst: PD

Date Collected: 12/03/13 00:00
Date Received: 12/03/13
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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
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
Vinyl chloride	ND		ug/l	1.0	0.33	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
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
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	1.6	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
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-16**Date Collected:** 12/03/13 00:00**Client ID:** TRIP BLANK**Date Received:** 12/03/13**Sample Location:** 514-520 W 28TH ST, NY, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Ethyl Acetate	ND		ug/l	10	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/08/13 11:07

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG657172-3					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
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
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
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
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
1,3-Dichloropropane	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/08/13 11:07
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG657172-3					
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-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
Ethyl Acetate	ND		ug/l	10	0.70
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/08/13 10:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-06 Batch: WG657373-3					
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
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.26	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
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
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
Styrene	ND		ug/kg	2.0	0.31
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
n-Butylbenzene	ND		ug/kg	1.0	0.20

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/08/13 10:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-06 Batch: WG657373-3					
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
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
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Ethyl Acetate	ND		ug/kg	20	0.82
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/09/13 13:14
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-14 Batch: WG657527-3					
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
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
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
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
Styrene	ND		ug/kg	2.0	0.31
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
n-Butylbenzene	ND		ug/kg	1.0	0.20



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/09/13 13:14
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-14 Batch: WG657527-3					
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
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
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Ethyl Acetate	ND		ug/kg	20	0.82
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG657172-1 WG657172-2								
Methylene chloride	97		95		70-130	2		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	101		98		70-130	3		20
2-Chloroethylvinyl ether	80		76		70-130	5		20
Carbon tetrachloride	100		94		63-132	6		20
1,2-Dichloropropane	95		93		70-130	2		20
Dibromochloromethane	98		97		63-130	1		20
1,1,2-Trichloroethane	101		100		70-130	1		20
Tetrachloroethene	104		100		70-130	4		20
Chlorobenzene	102		99		75-130	3		20
Trichlorofluoromethane	102		97		62-150	5		20
1,2-Dichloroethane	96		95		70-130	1		20
1,1,1-Trichloroethane	101		96		67-130	5		20
Bromodichloromethane	96		93		67-130	3		20
trans-1,3-Dichloropropene	101		98		70-130	3		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
1,1-Dichloropropene	100		95		70-130	5		20
Bromoform	94		90		54-136	4		20
1,1,2,2-Tetrachloroethane	94		93		67-130	1		20
Benzene	98		94		70-130	4		20
Toluene	106		102		70-130	4		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG657172-1 WG657172-2								
Ethylbenzene	105		102		70-130	3		20
Chloromethane	76		75		64-130	1		20
Bromomethane	59		60		39-139	2		20
Vinyl chloride	86		81		55-140	6		20
Chloroethane	98		95		55-138	3		20
1,1-Dichloroethene	98		94		61-145	4		20
trans-1,2-Dichloroethene	98		94		70-130	4		20
Trichloroethene	98		93		70-130	5		20
1,2-Dichlorobenzene	102		100		70-130	2		20
1,3-Dichlorobenzene	103		100		70-130	3		20
1,4-Dichlorobenzene	103		101		70-130	2		20
Methyl tert butyl ether	90		91		63-130	1		20
p/m-Xylene	109		104		70-130	5		20
o-Xylene	107		103		70-130	4		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Dibromomethane	91		90		70-130	1		20
1,2,3-Trichloropropane	101		100		64-130	1		20
Acrylonitrile	91		91		70-130	0		20
Isopropyl Ether	97		95		70-130	2		20
tert-Butyl Alcohol	100		102		70-130	2		20
Styrene	112		108		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG657172-1 WG657172-2								
Dichlorodifluoromethane	60		57		36-147	5		20
Acetone	100		89		58-148	12		20
Carbon disulfide	91		85		51-130	7		20
2-Butanone	88		84		63-138	5		20
Vinyl acetate	93		92		70-130	1		20
4-Methyl-2-pentanone	83		84		59-130	1		20
2-Hexanone	88		88		57-130	0		20
Bromochloromethane	95		93		70-130	2		20
2,2-Dichloropropane	99		93		63-133	6		20
1,2-Dibromoethane	96		95		70-130	1		20
1,3-Dichloropropane	100		99		70-130	1		20
1,1,1,2-Tetrachloroethane	105		101		64-130	4		20
Bromobenzene	96		94		70-130	2		20
n-Butylbenzene	111		106		53-136	5		20
sec-Butylbenzene	108		103		70-130	5		20
tert-Butylbenzene	104		99		70-130	5		20
o-Chlorotoluene	107		102		70-130	5		20
p-Chlorotoluene	105		101		70-130	4		20
1,2-Dibromo-3-chloropropane	104		103		41-144	1		20
Hexachlorobutadiene	104		99		63-130	5		20
Isopropylbenzene	101		95		70-130	6		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG657172-1 WG657172-2								
p-Isopropyltoluene	107		102		70-130	5		20
Naphthalene	92		94		70-130	2		20
n-Propylbenzene	104		99		69-130	5		20
1,2,3-Trichlorobenzene	97		98		70-130	1		20
1,2,4-Trichlorobenzene	100		102		70-130	2		20
1,3,5-Trimethylbenzene	109		104		64-130	5		20
1,2,4-Trimethylbenzene	106		102		70-130	4		20
Methyl Acetate	92		90		70-130	2		20
Ethyl Acetate	90		91		70-130	1		20
Cyclohexane	99		93		70-130	6		20
Ethyl-Tert-Butyl-Ether	93		93		70-130	0		20
Tertiary-Amyl Methyl Ether	89		89		66-130	0		20
1,4-Dioxane	108		110		56-162	2		20
Freon-113	101		95		70-130	6		20
1,4-Diethylbenzene	108		104		70-130	4		20
4-Ethyltoluene	106		101		70-130	5		20
1,2,4,5-Tetramethylbenzene	106		106		70-130	0		20
Ethyl ether	98		97		59-134	1		20
trans-1,4-Dichloro-2-butene	72		73		70-130	1		20
Iodomethane	61	Q	62	Q	70-130	2		20
Methyl cyclohexane	98		93		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG657172-1 WG657172-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-06 Batch: WG657373-1 WG657373-2								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	110		109		70-130	1		30
Chloroform	106		106		70-130	0		30
Carbon tetrachloride	101		101		70-130	0		30
1,2-Dichloropropane	110		111		70-130	1		30
Dibromochloromethane	97		99		70-130	2		30
2-Chloroethylvinyl ether	77		80		70-130	4		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	102		104		70-130	2		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	123		121		70-139	2		30
1,2-Dichloroethane	100		102		70-130	2		30
1,1,1-Trichloroethane	105		107		70-130	2		30
Bromodichloromethane	104		106		70-130	2		30
trans-1,3-Dichloropropene	100		100		70-130	0		30
cis-1,3-Dichloropropene	110		111		70-130	1		30
1,1-Dichloropropene	113		114		70-130	1		30
Bromoform	92		94		70-130	2		30
1,1,2,2-Tetrachloroethane	99		99		70-130	0		30
Benzene	110		112		70-130	2		30
Toluene	99		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-06 Batch: WG657373-1 WG657373-2								
Ethylbenzene	102		102		70-130	0		30
Chloromethane	100		100		52-130	0		30
Bromomethane	120		117		57-147	3		30
Vinyl chloride	123		120		67-130	2		30
Chloroethane	135		127		50-151	6		30
1,1-Dichloroethene	116		118		65-135	2		30
trans-1,2-Dichloroethene	113		112		70-130	1		30
Trichloroethene	114		112		70-130	2		30
1,2-Dichlorobenzene	98		100		70-130	2		30
1,3-Dichlorobenzene	100		100		70-130	0		30
1,4-Dichlorobenzene	97		99		70-130	2		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	106		105		70-130	1		30
o-Xylene	104		105		70-130	1		30
cis-1,2-Dichloroethene	109		111		70-130	2		30
Dibromomethane	108		109		70-130	1		30
Styrene	104		106		70-130	2		30
Dichlorodifluoromethane	102		102		30-146	0		30
Acetone	134		124		54-140	8		30
Carbon disulfide	105		104		59-130	1		30
2-Butanone	116		111		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-06 Batch: WG657373-1 WG657373-2								
Vinyl acetate	111		114		70-130	3		30
4-Methyl-2-pentanone	110		116		70-130	5		30
1,2,3-Trichloropropane	97		98		68-130	1		30
2-Hexanone	96		98		70-130	2		30
Bromochloromethane	116		117		70-130	1		30
2,2-Dichloropropane	109		109		70-130	0		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	99		100		69-130	1		30
1,1,1,2-Tetrachloroethane	99		100		70-130	1		30
Bromobenzene	98		99		70-130	1		30
n-Butylbenzene	104		104		70-130	0		30
sec-Butylbenzene	104		104		70-130	0		30
tert-Butylbenzene	102		102		70-130	0		30
o-Chlorotoluene	99		98		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	92		101		68-130	9		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	100		99		70-130	1		30
p-Isopropyltoluene	104		103		70-130	1		30
Naphthalene	97		101		70-130	4		30
Acrylonitrile	112		118		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-06 Batch: WG657373-1 WG657373-2								
Isopropyl Ether	111		113		66-130	2		30
tert-Butyl Alcohol	97		103		70-130	6		30
n-Propylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	98		101		70-130	3		30
1,2,4-Trichlorobenzene	96		99		70-130	3		30
1,3,5-Trimethylbenzene	101		100		70-130	1		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
Methyl Acetate	109		111		51-146	2		30
Ethyl Acetate	109		113		70-130	4		30
Acrolein	109		116		70-130	6		30
Cyclohexane	122		122		59-142	0		30
1,4-Dioxane	109		115		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	123		120		50-139	2		30
1,4-Diethylbenzene	102		103		70-130	1		30
4-Ethyltoluene	102		101		70-130	1		30
1,2,4,5-Tetramethylbenzene	99		102		70-130	3		30
Tetrahydrofuran	117		122		66-130	4		30
Ethyl ether	112		111		67-130	1		30
trans-1,4-Dichloro-2-butene	93		99		70-130	6		30
Methyl cyclohexane	125		124		70-130	1		30
Ethyl-Tert-Butyl-Ether	107		107		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-06 Batch: WG657373-1 WG657373-2								
Tertiary-Amyl Methyl Ether	107		107		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 Batch: WG657527-1 WG657527-2								
Methylene chloride	98		101		70-130	3		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	96		97		70-130	1		30
1,2-Dichloropropane	107		108		70-130	1		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		97		70-130	1		30
Tetrachloroethene	99		99		70-130	0		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	119		119		70-139	0		30
1,2-Dichloroethane	97		99		70-130	2		30
1,1,1-Trichloroethane	102		104		70-130	2		30
Bromodichloromethane	101		104		70-130	3		30
trans-1,3-Dichloropropene	96		98		70-130	2		30
cis-1,3-Dichloropropene	106		107		70-130	1		30
1,1-Dichloropropene	108		110		70-130	2		30
Bromoform	86		89		70-130	3		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	107		109		70-130	2		30
Toluene	97		98		70-130	1		30
Ethylbenzene	98		99		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 Batch: WG657527-1 WG657527-2								
Chloromethane	109		108		52-130	1		30
Bromomethane	120		117		57-147	3		30
Vinyl chloride	130		129		67-130	1		30
Chloroethane	135		135		50-151	0		30
1,1-Dichloroethene	113		114		65-135	1		30
trans-1,2-Dichloroethene	105		111		70-130	6		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	94		98		66-130	4		30
p/m-Xylene	102		103		70-130	1		30
o-Xylene	100		103		70-130	3		30
cis-1,2-Dichloroethene	106		110		70-130	4		30
Dibromomethane	107		108		70-130	1		30
Styrene	101		101		70-130	0		30
Dichlorodifluoromethane	122		124		30-146	2		30
Acetone	113		113		54-140	0		30
Carbon disulfide	103		104		59-130	1		30
2-Butanone	105		102		70-130	3		30
Vinyl acetate	107		111		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 Batch: WG657527-1 WG657527-2								
4-Methyl-2-pentanone	101		109		70-130	8		30
1,2,3-Trichloropropane	88		92		68-130	4		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	111		112		70-130	1		30
2,2-Dichloropropane	106		108		70-130	2		30
1,2-Dibromoethane	96		99		70-130	3		30
1,3-Dichloropropane	94		97		69-130	3		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	97		98		70-130	1		30
tert-Butylbenzene	94		96		70-130	2		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	92		94		70-130	2		30
1,2-Dibromo-3-chloropropane	89		90		68-130	1		30
Hexachlorobutadiene	91		92		67-130	1		30
Isopropylbenzene	93		94		70-130	1		30
p-Isopropyltoluene	98		97		70-130	1		30
Naphthalene	91		94		70-130	3		30
Acrylonitrile	105		116		70-130	10		30
Isopropyl Ether	108		109		66-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 Batch: WG657527-1 WG657527-2								
tert-Butyl Alcohol	89		96		70-130	8		30
n-Propylbenzene	96		97		70-130	1		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	91		91		70-130	0		30
1,3,5-Trimethylbenzene	93		94		70-130	1		30
1,2,4-Trimethylbenzene	95		95		70-130	0		30
Methyl Acetate	102		105		51-146	3		30
Ethyl Acetate	104		109		70-130	5		30
Acrolein	107		111		70-130	4		30
Cyclohexane	111		113		59-142	2		30
1,4-Dioxane	97		105		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		112		50-139	0		30
1,4-Diethylbenzene	96		96		70-130	0		30
4-Ethyltoluene	95		95		70-130	0		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Tetrahydrofuran	110		119		66-130	8		30
Ethyl ether	104		106		67-130	2		30
trans-1,4-Dichloro-2-butene	90		94		70-130	4		30
Methyl cyclohexane	112		112		70-130	0		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	102		103		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 514-520 W 28TH STREET**Project Number:** E040**Lab Number:** L1324515**Report Date:** 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 Batch: WG657527-1 WG657527-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		93		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	102		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 QC Batch ID: WG657527-4 WG657527-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
Methylene chloride	ND	18.5	15	83		17	92		70-130	12		30
1,1-Dichloroethane	ND	18.5	16	87		19	100		70-130	16		30
Chloroform	ND	18.5	16	86		18	97		70-130	13		30
Carbon tetrachloride	ND	18.5	14	78		17	91		70-130	17		30
1,2-Dichloropropane	ND	18.5	17	89		19	100		70-130	13		30
Dibromochloromethane	ND	18.5	14	77		16	85		70-130	11		30
1,1,2-Trichloroethane	ND	18.5	15	81		17	89		70-130	11		30
Tetrachloroethene	ND	18.5	14	75		17	90		70-130	19		30
Chlorobenzene	ND	18.5	14	76		17	89		70-130	17		30
Trichlorofluoromethane	ND	18.5	18	96		21	114		70-139	18		30
1,2-Dichloroethane	ND	18.5	16	85		17	92		70-130	9		30
1,1,1-Trichloroethane	ND	18.5	16	85		19	100		70-130	17		30
Bromodichloromethane	ND	18.5	16	87		18	96		70-130	11		30
trans-1,3-Dichloropropene	ND	18.5	14	78		16	85		70-130	11		30
cis-1,3-Dichloropropene	ND	18.5	16	89		18	96		70-130	10		30
1,1-Dichloropropene	ND	18.5	16	87		19	101		70-130	17		30
Bromoform	ND	18.5	14	75		14	77		70-130	4		30
1,1,2,2-Tetrachloroethane	ND	18.5	15	79		15	80		70-130	3		30
Benzene	ND	18.5	16	86		19	99		70-130	16		30
Toluene	ND	18.5	14	75		17	88		70-130	18		30
Ethylbenzene	ND	18.5	14	75		17	90		70-130	20		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 QC Batch ID: WG657527-4 WG657527-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
Chloromethane	ND	18.5	13	73		16	87		52-130	20		30
Bromomethane	ND	18.5	17	91		20	106		57-147	17		30
Vinyl chloride	ND	18.5	17	89		20	108		67-130	20		30
Chloroethane	ND	18.5	18	98		22	119		50-151	20		30
1,1-Dichloroethene	ND	18.5	16	87		19	102		65-135	18		30
trans-1,2-Dichloroethene	ND	18.5	16	86		19	102		70-130	18		30
Trichloroethene	ND	18.5	17	92		19	103		70-130	13		30
1,2-Dichlorobenzene	ND	18.5	14	74		15	80		70-130	10		30
1,3-Dichlorobenzene	ND	18.5	13	73		15	81		70-130	13		30
1,4-Dichlorobenzene	ND	18.5	13	73		15	80		70-130	11		30
Methyl tert butyl ether	ND	18.5	15	83		16	87		66-130	7		30
p/m-Xylene	ND	36.9	29	78		34	92		70-130	18		30
o-Xylene	ND	36.9	29	79		35	92		70-130	17		30
cis-1,2-Dichloroethene	1.3	18.5	17	86		20	98		70-130	13		30
Dibromomethane	ND	18.5	17	93		18	98		70-130	7		30
Styrene	ND	36.9	29	79		34	91		70-130	16		30
Dichlorodifluoromethane	ND	18.5	13	69		16	84		30-146	21		30
Acetone	3.6J	18.5	38	206	Q	37	195	Q	54-140	4		30
Carbon disulfide	ND	18.5	15	79		18	95		59-130	20		30
2-Butanone	ND	18.5	27	146	Q	25	135	Q	70-130	7		30
Vinyl acetate	ND	18.5	15	82		15	79		70-130	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 QC Batch ID: WG657527-4 WG657527-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
4-Methyl-2-pentanone	ND	18.5	18	95		18	97		70-130	4		30
1,2,3-Trichloropropane	ND	18.5	15	79		15	79		68-130	2		30
2-Hexanone	ND	18.5	20	106		21	111		70-130	7		30
Bromochloromethane	ND	18.5	17	93		19	101		70-130	10		30
2,2-Dichloropropane	ND	18.5	16	84		18	98		70-130	16		30
1,2-Dibromoethane	ND	18.5	15	80		17	88		70-130	12		30
1,3-Dichloropropane	ND	18.5	15	80		16	86		69-130	10		30
1,1,1,2-Tetrachloroethane	ND	18.5	14	77		16	87		70-130	14		30
Bromobenzene	ND	18.5	14	74		15	80		70-130	10		30
n-Butylbenzene	ND	18.5	13	72		15	80		70-130	13		30
sec-Butylbenzene	ND	18.5	13	72		16	83		70-130	15		30
tert-Butylbenzene	ND	18.5	13	70		15	81		70-130	16		30
o-Chlorotoluene	ND	18.5	14	73		13	67	Q	70-130	7		30
p-Chlorotoluene	ND	18.5	13	72		15	81		70-130	13		30
1,2-Dibromo-3-chloropropane	ND	18.5	15	79		15	77		68-130	1		30
Hexachlorobutadiene	ND	18.5	11	57	Q	12	62	Q	67-130	9		30
Isopropylbenzene	ND	18.5	13	70		15	82		70-130	16		30
p-Isopropyltoluene	ND	18.5	13	71		15	82		70-130	15		30
Naphthalene	ND	18.5	14	76		14	77		70-130	3		30
Acrylonitrile	ND	18.5	19	101		18	97		70-130	2		30
Isopropyl Ether	ND	18.5	16	88		18	98		66-130	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 QC Batch ID: WG657527-4 WG657527-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
tert-Butyl Alcohol	ND	92.3	78	85		78	83			0		30
n-Propylbenzene	ND	18.5	14	73		16	84		70-130	15		30
1,2,3-Trichlorobenzene	ND	18.5	13	72		14	75		70-130	6		30
1,2,4-Trichlorobenzene	ND	18.5	13	68	Q	14	73		70-130	9		30
1,3,5-Trimethylbenzene	ND	18.5	13	72		15	82		70-130	15		30
1,2,4-Trimethylbenzene	ND	18.5	13	72		15	82		70-130	15		30
Methyl Acetate	ND	18.5	19	100		19	101		51-146	3		30
Ethyl Acetate	ND	18.5	17J	91		17.J	88			2		30
Acrolein	ND	18.5	17J	92		17.J	92			2		30
Cyclohexane	ND	18.5	16J	88		19	103		59-142	18		30
1,4-Dioxane	ND	923	840	91		890	94		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	18.5	16J	86		19	101		50-139	18		30
1,4-Diethylbenzene	ND	18.5	13	71		15	79		70-130	13		30
4-Ethyltoluene	ND	18.5	13	72		16	83		70-130	16		30
1,2,4,5-Tetramethylbenzene	ND	18.5	13	69	Q	14	76		70-130	11		30
Tetrahydrofuran	ND	18.5	19	104		17.J	93		66-130	10		30
Ethyl ether	ND	18.5	16	87		17	93		67-130	8		30
trans-1,4-Dichloro-2-butene	ND	18.5	15	80		15	80		70-130	2		30
Methyl cyclohexane	ND	18.5	15	83		18	98		70-130	17		30
Ethyl-Tert-Butyl-Ether	ND	18.5	16	86		17	93		70-130	9		30
Tertiary-Amyl Methyl Ether	ND	18.5	16	86		17	92		70-130	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-14 QC Batch ID: WG657527-4 WG657527-5 QC Sample: L1324515-10 Client ID: A4-EP (21')

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	100		98		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	107		103		70-130
Toluene-d8	92		94		70-130

SEMIVOLATILES

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-01
Client ID: G1-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 19:09
Analyst: JB
Percent Solids: 85%

Date Collected: 12/03/13 11:35
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-01

Date Collected: 12/03/13 11:35

Client ID: G1-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	77		0-136
4-Terphenyl-d14	63		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-02
Client ID: F2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 19:36
Analyst: JB
Percent Solids: 64%

Date Collected: 12/03/13 10:35
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	52.	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	83.	1
Hexachlorobenzene	ND		ug/kg	150	47.	1
Bis(2-chloroethyl)ether	ND		ug/kg	230	71.	1
2-Chloronaphthalene	ND		ug/kg	250	83.	1
1,2-Dichlorobenzene	ND		ug/kg	250	84.	1
1,3-Dichlorobenzene	ND		ug/kg	250	80.	1
1,4-Dichlorobenzene	ND		ug/kg	250	77.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	68.	1
2,4-Dinitrotoluene	ND		ug/kg	250	55.	1
2,6-Dinitrotoluene	ND		ug/kg	250	65.	1
Fluoranthene	ND		ug/kg	150	47.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	77.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	58.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	90.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	77.	1
Hexachlorobutadiene	ND		ug/kg	250	72.	1
Hexachlorocyclopentadiene	ND		ug/kg	730	160	1
Hexachloroethane	ND		ug/kg	200	46.	1
Isophorone	ND		ug/kg	230	68.	1
Naphthalene	ND		ug/kg	250	84.	1
Nitrobenzene	ND		ug/kg	230	60.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	76.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	250	67.	1
Butyl benzyl phthalate	ND		ug/kg	250	50.	1
Di-n-butylphthalate	ND		ug/kg	250	49.	1
Di-n-octylphthalate	ND		ug/kg	250	63.	1
Diethyl phthalate	ND		ug/kg	250	54.	1
Dimethyl phthalate	ND		ug/kg	250	65.	1
Benzo(a)anthracene	ND		ug/kg	150	50.	1
Benzo(a)pyrene	ND		ug/kg	200	62.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-02

Date Collected: 12/03/13 10:35

Client ID: F2-EP (15')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	150	51.	1
Benzo(k)fluoranthene	ND		ug/kg	150	48.	1
Chrysene	ND		ug/kg	150	50.	1
Acenaphthylene	ND		ug/kg	200	48.	1
Anthracene	ND		ug/kg	150	42.	1
Benzo(ghi)perylene	ND		ug/kg	200	53.	1
Fluorene	ND		ug/kg	250	73.	1
Phenanthrene	ND		ug/kg	150	50.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	49.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	56.	1
Pyrene	ND		ug/kg	150	49.	1
Biphenyl	ND		ug/kg	580	84.	1
4-Chloroaniline	ND		ug/kg	250	67.	1
2-Nitroaniline	ND		ug/kg	250	72.	1
3-Nitroaniline	ND		ug/kg	250	70.	1
4-Nitroaniline	ND		ug/kg	250	69.	1
Dibenzofuran	ND		ug/kg	250	85.	1
2-Methylnaphthalene	ND		ug/kg	300	81.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	79.	1
Acetophenone	ND		ug/kg	250	79.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	48.	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	ND		ug/kg	250	75.	1
2-Methylphenol	ND		ug/kg	250	82.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	370	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	250	82.	1
Benzoic Acid	ND		ug/kg	820	260	1
Benzyl Alcohol	ND		ug/kg	250	78.	1
Carbazole	ND		ug/kg	250	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	64		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-03
Client ID: F2-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 20:04
Analyst: JB
Percent Solids: 84%

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-03

Date Collected: 12/03/13 11:00

Client ID: F2-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	73		0-136
4-Terphenyl-d14	89		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-04
Client ID: E1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 20:32
Analyst: JB
Percent Solids: 75%

Date Collected: 12/03/13 09:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	71.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
1,2-Dichlorobenzene	ND		ug/kg	220	71.	1
1,3-Dichlorobenzene	ND		ug/kg	220	68.	1
1,4-Dichlorobenzene	ND		ug/kg	220	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	ND		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	76.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	66.	1
Hexachlorobutadiene	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	140	1
Hexachloroethane	ND		ug/kg	170	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	ND		ug/kg	220	72.	1
Nitrobenzene	ND		ug/kg	200	52.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	42.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	54.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-04

Date Collected: 12/03/13 09:45

Client ID: E1-EP (21')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	130	44.	1
Benzo(k)fluoranthene	ND		ug/kg	130	42.	1
Chrysene	ND		ug/kg	130	43.	1
Acenaphthylene	ND		ug/kg	170	41.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	45.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	48.	1
Pyrene	ND		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	57.	1
2-Nitroaniline	ND		ug/kg	220	61.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	ND		ug/kg	220	73.	1
2-Methylnaphthalene	ND		ug/kg	260	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	67.	1
Acetophenone	ND		ug/kg	220	67.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	220	64.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	70.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	47.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	85		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-05
Client ID: D2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 21:00
Analyst: JB
Percent Solids: 72%

Date Collected: 12/03/13 10:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	46.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	74.	1
Hexachlorobenzene	ND		ug/kg	140	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	63.	1
2-Chloronaphthalene	ND		ug/kg	220	74.	1
1,2-Dichlorobenzene	ND		ug/kg	220	74.	1
1,3-Dichlorobenzene	ND		ug/kg	220	71.	1
1,4-Dichlorobenzene	ND		ug/kg	220	69.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	49.	1
2,6-Dinitrotoluene	ND		ug/kg	220	58.	1
Fluoranthene	ND		ug/kg	140	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	69.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	80.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	68.	1
Hexachlorobutadiene	ND		ug/kg	220	64.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	140	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	60.	1
Naphthalene	ND		ug/kg	220	75.	1
Nitrobenzene	ND		ug/kg	200	54.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	67.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	59.	1
Butyl benzyl phthalate	ND		ug/kg	220	44.	1
Di-n-butylphthalate	ND		ug/kg	220	44.	1
Di-n-octylphthalate	ND		ug/kg	220	56.	1
Diethyl phthalate	ND		ug/kg	220	48.	1
Dimethyl phthalate	ND		ug/kg	220	57.	1
Benzo(a)anthracene	ND		ug/kg	140	44.	1
Benzo(a)pyrene	ND		ug/kg	180	55.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-05

Date Collected: 12/03/13 10:00

Client ID: D2-EP (15')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	140	46.	1
Benzo(k)fluoranthene	ND		ug/kg	140	43.	1
Chrysene	ND		ug/kg	140	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	ND		ug/kg	140	38.	1
Benzo(ghi)perylene	ND		ug/kg	180	47.	1
Fluorene	ND		ug/kg	220	65.	1
Phenanthrene	ND		ug/kg	140	44.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	44.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	50.	1
Pyrene	ND		ug/kg	140	44.	1
Biphenyl	ND		ug/kg	520	74.	1
4-Chloroaniline	ND		ug/kg	220	60.	1
2-Nitroaniline	ND		ug/kg	220	64.	1
3-Nitroaniline	ND		ug/kg	220	62.	1
4-Nitroaniline	ND		ug/kg	220	61.	1
Dibenzofuran	ND		ug/kg	220	75.	1
2-Methylnaphthalene	ND		ug/kg	270	72.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	70.	1
Acetophenone	ND		ug/kg	220	70.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	67.	1
2-Methylphenol	ND		ug/kg	220	73.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	73.	1
Benzoic Acid	ND		ug/kg	730	230	1
Benzyl Alcohol	ND		ug/kg	220	70.	1
Carbazole	ND		ug/kg	220	48.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	82		0-136
4-Terphenyl-d14	76		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-06
Client ID: D2-EP (19.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 19:37
Analyst: JB
Percent Solids: 82%

Date Collected: 12/03/13 10:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-06
 Client ID: D2-EP (19.5')
 Sample Location: 514-520 W 28TH ST, NY, NY

Date Collected: 12/03/13 10:15
 Date Received: 12/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	64		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-07
Client ID: C1-EP (18.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 20:03
Analyst: JB
Percent Solids: 79%

Date Collected: 12/02/13 16:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	210	67.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	44.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	180	55.	1
Naphthalene	ND		ug/kg	210	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	61.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-07
 Client ID: C1-EP (18.5')
 Sample Location: 514-520 W 28TH ST, NY, NY

Date Collected: 12/02/13 16:00
 Date Received: 12/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	54.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	80		0-136
4-Terphenyl-d14	79		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-08
Client ID: A1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 20:28
Analyst: JB
Percent Solids: 80%

Date Collected: 12/03/13 09:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	210	67.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	44.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	55.	1
Naphthalene	ND		ug/kg	210	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	61.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-08
 Client ID: A1-EP (21')
 Sample Location: 514-520 W 28TH ST, NY, NY

Date Collected: 12/03/13 09:15
 Date Received: 12/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	54.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	69		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-09
Client ID: B3-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 20:54
Analyst: JB
Percent Solids: 89%

Date Collected: 12/02/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	49.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-09

Date Collected: 12/02/13 11:45

Client ID: B3-EP (21')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	58.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	107		0-136
4-Terphenyl-d14	85		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-10
Client ID: A4-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 21:20
Analyst: JB
Percent Solids: 85%

Date Collected: 12/02/13 11:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-10

Date Collected: 12/02/13 11:15

Client ID: A4-EP (21')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	74		0-136
4-Terphenyl-d14	75		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-11
Client ID: B5-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 21:46
Analyst: JB
Percent Solids: 79%

Date Collected: 12/02/13 13:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	ND		ug/kg	120	41.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-11

Date Collected: 12/02/13 13:15

Client ID: B5-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
Pentachlorophenol	ND		ug/kg	170	44.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	87		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-12
Client ID: C6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 22:11
Analyst: JB
Percent Solids: 83%

Date Collected: 12/02/13 12:30
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-12
 Client ID: C6-EP (18')
 Sample Location: 514-520 W 28TH ST, NY, NY

Date Collected: 12/02/13 12:30
 Date Received: 12/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	73		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-13
Client ID: A6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 22:37
Analyst: JB
Percent Solids: 83%

Date Collected: 12/02/13 14:50
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-13

Date Collected: 12/02/13 14:50

Client ID: A6-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	60.	1
Acetophenone	ND		ug/kg	200	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	67		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-14
Client ID: DUPLICATE
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/13 23:02
Analyst: JB
Percent Solids: 87%

Date Collected: 12/02/13 00:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-14

Date Collected: 12/02/13 00:00

Client ID: DUPLICATE

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	ND		ug/kg	190	62.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	77		0-136
4-Terphenyl-d14	81		18-120

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-15
Client ID: FIELD BLANK
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/07/13 19:12
Analyst: PS

Date Collected: 12/03/13 12:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/04/13 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	0.56	J	ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-15
 Client ID: FIELD BLANK
 Sample Location: 514-520 W 28TH ST, NY, NY

Date Collected: 12/03/13 12:45
 Date Received: 12/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	108		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	130		41-149

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-15
Client ID: FIELD BLANK
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/06/13 12:40
Analyst: AS

Date Collected: 12/03/13 12:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/04/13 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	125		41-149

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/07/13 15:12
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 12/04/13 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG656231-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/07/13 15:12
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 12/04/13 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG656231-1					
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	129		41-149

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 12/06/13 10:40
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 12/04/13 16:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 15 Batch: WG656233-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D-SIM
Analytical Date: 12/06/13 10:40
Analyst: ASExtraction Method: EPA 3510C
Extraction Date: 12/04/13 16:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 15 Batch: WG656233-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	114		41-149

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/06/13 17:29
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-14 Batch: WG656386-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/06/13 17:29
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-14 Batch: WG656386-1					
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/06/13 17:29
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 12/05/13 08:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-14 Batch: WG656386-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	98		18-120

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/06/13 17:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG656652-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/06/13 17:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG656652-1					
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	52.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	54.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/06/13 17:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 12/06/13 00:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG656652-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	80		0-136
4-Terphenyl-d14	98		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG656231-2 WG656231-3								
1,2,4-Trichlorobenzene	90		92		39-98	2		30
Bis(2-chloroethyl)ether	75		78		40-140	4		30
1,2-Dichlorobenzene	76		78		40-140	3		30
1,3-Dichlorobenzene	76		78		40-140	3		30
1,4-Dichlorobenzene	74		75		36-97	1		30
3,3'-Dichlorobenzidine	105		110		40-140	5		30
2,4-Dinitrotoluene	117	Q	121	Q	24-96	3		30
2,6-Dinitrotoluene	112		114		40-140	2		30
4-Chlorophenyl phenyl ether	109		114		40-140	4		30
4-Bromophenyl phenyl ether	118		121		40-140	3		30
Bis(2-chloroisopropyl)ether	61		65		40-140	6		30
Bis(2-chloroethoxy)methane	72		76		40-140	5		30
Hexachlorocyclopentadiene	87		88		40-140	1		30
Isophorone	74		77		40-140	4		30
Nitrobenzene	88		93		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	112		117		40-140	4		30
n-Nitrosodi-n-propylamine	71		75		29-132	5		30
Bis(2-ethylhexyl)phthalate	130		134		40-140	3		30
Butyl benzyl phthalate	128		135		40-140	5		30
Di-n-butylphthalate	122		126		40-140	3		30
Di-n-octylphthalate	143	Q	151	Q	40-140	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG656231-2 WG656231-3								
Diethyl phthalate	116		119		40-140	3		30
Dimethyl phthalate	112		117		40-140	4		30
Biphenyl	92		95			3		30
4-Chloroaniline	73		77		40-140	5		30
2-Nitroaniline	109		111		52-143	2		30
3-Nitroaniline	83		87		25-145	5		30
4-Nitroaniline	110		115		51-143	4		30
Dibenzofuran	103		108		40-140	5		30
1,2,4,5-Tetrachlorobenzene	95		99		2-134	4		30
Acetophenone	78		83		39-129	6		30
2,4,6-Trichlorophenol	115		119		30-130	3		30
P-Chloro-M-Cresol	111	Q	112	Q	23-97	1		30
2-Chlorophenol	84		90		27-123	7		30
2,4-Dichlorophenol	107		112		30-130	5		30
2,4-Dimethylphenol	82		88		30-130	7		30
2-Nitrophenol	85		89		30-130	5		30
4-Nitrophenol	79		85	Q	10-80	7		30
2,4-Dinitrophenol	108		113		20-130	5		30
4,6-Dinitro-o-cresol	131		136		20-164	4		30
Phenol	41		40		12-110	2		30
2-Methylphenol	72		76		30-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG656231-2 WG656231-3								
3-Methylphenol/4-Methylphenol	68		72		30-130	6		30
2,4,5-Trichlorophenol	120		122		30-130	2		30
Benzoic Acid	60		58			3		30
Benzyl Alcohol	72		79			9		30
Carbazole	116		119		55-144	3		30
Benzaldehyde	70		73			4		30
Caprolactam	33		33			0		30
Atrazine	135		138			2		30
2,3,4,6-Tetrachlorophenol	126		131			4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		72		21-120
Phenol-d6	41		43		10-120
Nitrobenzene-d5	80		85		23-120
2-Fluorobiphenyl	106		110		15-120
2,4,6-Tribromophenol	136	Q	140	Q	10-120
4-Terphenyl-d14	133		140		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 15 Batch: WG656233-2 WG656233-3								
Acenaphthene	75		85		37-111	13		40
2-Chloronaphthalene	77		89		40-140	14		40
Fluoranthene	100		108		40-140	8		40
Hexachlorobutadiene	64		75		40-140	16		40
Naphthalene	74		85		40-140	14		40
Benzo(a)anthracene	99		104		40-140	5		40
Benzo(a)pyrene	90		96		40-140	6		40
Benzo(b)fluoranthene	93		103		40-140	10		40
Benzo(k)fluoranthene	95		101		40-140	6		40
Chrysene	86		90		40-140	5		40
Acenaphthylene	86		98		40-140	13		40
Anthracene	89		95		40-140	7		40
Benzo(ghi)perylene	77		80		40-140	4		40
Fluorene	75		86		40-140	14		40
Phenanthrene	90		98		40-140	9		40
Dibenzo(a,h)anthracene	82		86		40-140	5		40
Indeno(1,2,3-cd)Pyrene	84		89		40-140	6		40
Pyrene	96		104		26-127	8		40
2-Methylnaphthalene	76		87		40-140	13		40
Pentachlorophenol	108	Q	110	Q	9-103	2		40
Hexachlorobenzene	82		90		40-140	9		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 15 Batch: WG656233-2 WG656233-3								
Hexachloroethane	71		81		40-140	13		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		62		21-120
Phenol-d6	42		46		10-120
Nitrobenzene-d5	93		102		23-120
2-Fluorobiphenyl	77		96		15-120
2,4,6-Tribromophenol	83		92		10-120
4-Terphenyl-d14	133		140		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 Batch: WG656386-2 WG656386-3								
Acenaphthene	87		89		31-137	2		50
1,2,4-Trichlorobenzene	84		86		38-107	2		50
Hexachlorobenzene	93		96		40-140	3		50
Bis(2-chloroethyl)ether	84		84		40-140	0		50
2-Chloronaphthalene	90		90		40-140	0		50
1,2-Dichlorobenzene	83		85		40-140	2		50
1,3-Dichlorobenzene	81		83		40-140	2		50
1,4-Dichlorobenzene	82		82		28-104	0		50
3,3'-Dichlorobenzidine	72		78		40-140	8		50
2,4-Dinitrotoluene	98	Q	98	Q	28-89	0		50
2,6-Dinitrotoluene	93		95		40-140	2		50
Fluoranthene	95		93		40-140	2		50
4-Chlorophenyl phenyl ether	94		94		40-140	0		50
4-Bromophenyl phenyl ether	95		98		40-140	3		50
Bis(2-chloroisopropyl)ether	75		78		40-140	4		50
Bis(2-chloroethoxy)methane	90		95		40-117	5		50
Hexachlorobutadiene	83		82		40-140	1		50
Hexachlorocyclopentadiene	79		75		40-140	5		50
Hexachloroethane	83		81		40-140	2		50
Isophorone	93		95		40-140	2		50
Naphthalene	86		85		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 Batch: WG656386-2 WG656386-3								
Nitrobenzene	86		87		40-140	1		50
NitrosoDiPhenylAmine(NDPA)/DPA	94		96			2		50
n-Nitrosodi-n-propylamine	91		96		32-121	5		50
Bis(2-ethylhexyl)phthalate	103		106		40-140	3		50
Butyl benzyl phthalate	100		100		40-140	0		50
Di-n-butylphthalate	98		99		40-140	1		50
Di-n-octylphthalate	105		108		40-140	3		50
Diethyl phthalate	97		99		40-140	2		50
Dimethyl phthalate	94		97		40-140	3		50
Benzo(a)anthracene	90		93		40-140	3		50
Benzo(a)pyrene	90		96		40-140	6		50
Benzo(b)fluoranthene	92		95		40-140	3		50
Benzo(k)fluoranthene	90		93		40-140	3		50
Chrysene	90		92		40-140	2		50
Acenaphthylene	91		91		40-140	0		50
Anthracene	90		92		40-140	2		50
Benzo(ghi)perylene	90		92		40-140	2		50
Fluorene	92		94		40-140	2		50
Phenanthrene	89		91		40-140	2		50
Dibenzo(a,h)anthracene	94		95		40-140	1		50
Indeno(1,2,3-cd)pyrene	94		94		40-140	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 Batch: WG656386-2 WG656386-3								
Pyrene	93		91		35-142	2		50
Biphenyl	88		89			1		50
4-Chloroaniline	65		72		40-140	10		50
2-Nitroaniline	102		102		47-134	0		50
3-Nitroaniline	68		71		26-129	4		50
4-Nitroaniline	104		98		41-125	6		50
Dibenzofuran	92		92		40-140	0		50
2-Methylnaphthalene	89		89		40-140	0		50
1,2,4,5-Tetrachlorobenzene	90		91		40-117	1		50
Acetophenone	93		97		14-144	4		50
2,4,6-Trichlorophenol	102		102		30-130	0		50
P-Chloro-M-Cresol	99		103		26-103	4		50
2-Chlorophenol	95		97		25-102	2		50
2,4-Dichlorophenol	99		101		30-130	2		50
2,4-Dimethylphenol	94		99		30-130	5		50
2-Nitrophenol	96		100		30-130	4		50
4-Nitrophenol	94		92		11-114	2		50
2,4-Dinitrophenol	93		97		4-130	4		50
4,6-Dinitro-o-cresol	98		97		10-130	1		50
Pentachlorophenol	112	Q	114	Q	17-109	2		50
Phenol	93	Q	95	Q	26-90	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 Batch: WG656386-2 WG656386-3								
2-Methylphenol	96		98		30-130.	2		50
3-Methylphenol/4-Methylphenol	98		99		30-130	1		50
2,4,5-Trichlorophenol	100		104		30-130	4		50
Benzoic Acid	67		68			1		50
Benzyl Alcohol	94		100		40-140	6		50
Carbazole	94		95		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	93		91		25-120
Phenol-d6	96		97		10-120
Nitrobenzene-d5	93		97		23-120
2-Fluorobiphenyl	91		91		30-120
2,4,6-Tribromophenol	99		100		0-136
4-Terphenyl-d14	95		93		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG656652-2 WG656652-3								
Acenaphthene	80		88		31-137	10		50
1,2,4-Trichlorobenzene	72		77		38-107	7		50
Hexachlorobenzene	100		107		40-140	7		50
Bis(2-chloroethyl)ether	70		69		40-140	1		50
2-Chloronaphthalene	85		86		40-140	1		50
1,2-Dichlorobenzene	71		73		40-140	3		50
1,3-Dichlorobenzene	68		72		40-140	6		50
1,4-Dichlorobenzene	69		72		28-104	4		50
3,3'-Dichlorobenzidine	80		88		40-140	10		50
2,4-Dinitrotoluene	103	Q	108	Q	28-89	5		50
2,6-Dinitrotoluene	113		113		40-140	0		50
Fluoranthene	95		99		40-140	4		50
4-Chlorophenyl phenyl ether	88		97		40-140	10		50
4-Bromophenyl phenyl ether	96		106		40-140	10		50
Bis(2-chloroisopropyl)ether	61		60		40-140	2		50
Bis(2-chloroethoxy)methane	78		74		40-117	5		50
Hexachlorobutadiene	78		84		40-140	7		50
Hexachlorocyclopentadiene	106		110		40-140	4		50
Hexachloroethane	72		75		40-140	4		50
Isophorone	78		74		40-140	5		50
Naphthalene	77		80		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG656652-2 WG656652-3								
Nitrobenzene	77		80		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	92		100			8		50
n-Nitrosodi-n-propylamine	76		74		32-121	3		50
Bis(2-ethylhexyl)phthalate	85		98		40-140	14		50
Butyl benzyl phthalate	100		100		40-140	0		50
Di-n-butylphthalate	96		104		40-140	8		50
Di-n-octylphthalate	96		107		40-140	11		50
Diethyl phthalate	93		101		40-140	8		50
Dimethyl phthalate	90		99		40-140	10		50
Benzo(a)anthracene	84		95		40-140	12		50
Benzo(a)pyrene	85		96		40-140	12		50
Benzo(b)fluoranthene	80		91		40-140	13		50
Benzo(k)fluoranthene	85		100		40-140	16		50
Chrysene	84		95		40-140	12		50
Acenaphthylene	95		96		40-140	1		50
Anthracene	92		102		40-140	10		50
Benzo(ghi)perylene	89		93		40-140	4		50
Fluorene	88		95		40-140	8		50
Phenanthrene	87		98		40-140	12		50
Dibenzo(a,h)anthracene	92		98		40-140	6		50
Indeno(1,2,3-cd)pyrene	89		93		40-140	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG656652-2 WG656652-3								
Pyrene	93		96		35-142	3		50
Biphenyl	77		84			9		50
4-Chloroaniline	59		58		40-140	2		50
2-Nitroaniline	99		100		47-134	1		50
3-Nitroaniline	63		64		26-129	2		50
4-Nitroaniline	88		88		41-125	0		50
Dibenzofuran	86		93		40-140	8		50
2-Methylnaphthalene	80		82		40-140	2		50
1,2,4,5-Tetrachlorobenzene	73		82		40-117	12		50
Acetophenone	79		76		14-144	4		50
2,4,6-Trichlorophenol	102		104		30-130	2		50
P-Chloro-M-Cresol	101		104	Q	26-103	3		50
2-Chlorophenol	80		79		25-102	1		50
2,4-Dichlorophenol	87		88		30-130	1		50
2,4-Dimethylphenol	100		94		30-130	6		50
2-Nitrophenol	88		87		30-130	1		50
4-Nitrophenol	85		87		11-114	2		50
2,4-Dinitrophenol	103		107		4-130	4		50
4,6-Dinitro-o-cresol	104		106		10-130	2		50
Pentachlorophenol	96		111	Q	17-109	14		50
Phenol	81		75		26-90	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG656652-2 WG656652-3								
2-Methylphenol	87		84		30-130.	4		50
3-Methylphenol/4-Methylphenol	90		85		30-130	6		50
2,4,5-Trichlorophenol	110		113		30-130	3		50
Benzoic Acid	57		59			3		50
Benzyl Alcohol	76		73		40-140	4		50
Carbazole	88		94		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		73		25-120
Phenol-d6	77		73		10-120
Nitrobenzene-d5	88		85		23-120
2-Fluorobiphenyl	87		89		30-120
2,4,6-Tribromophenol	105		118		0-136
4-Terphenyl-d14	98		101		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 QC Batch ID: WG656386-4 WG656386-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
Acenaphthene	ND	1540	1300	84		1300	83		31-137	0		50
1,2,4-Trichlorobenzene	ND	1540	1200	78		1200	76		38-107	0		50
Hexachlorobenzene	ND	1540	1400	91		1300	83		40-140	7		50
Bis(2-chloroethyl)ether	ND	1540	1200	78		1200	76		40-140	0		50
2-Chloronaphthalene	ND	1540	1300	84		1300	83		40-140	0		50
1,2-Dichlorobenzene	ND	1540	1200	78		1200	76		40-140	0		50
1,3-Dichlorobenzene	ND	1540	1100	71		1200	76		40-140	9		50
1,4-Dichlorobenzene	ND	1540	1200	78		1200	76		28-104	0		50
3,3'-Dichlorobenzidine	ND	1540	1000	65		1100	70		40-140	10		50
2,4-Dinitrotoluene	ND	1540	1400	91	Q	1300	83		28-89	7		50
2,6-Dinitrotoluene	ND	1540	1300	84		1200	76		40-140	8		50
Fluoranthene	ND	1540	1400	91		1300	83		40-140	7		50
4-Chlorophenyl phenyl ether	ND	1540	1400	91		1400	89		40-140	0		50
4-Bromophenyl phenyl ether	ND	1540	1500	97		1400	89		40-140	7		50
Bis(2-chloroisopropyl)ether	ND	1540	1100	71		1200	76		40-140	9		50
Bis(2-chloroethoxy)methane	ND	1540	1300	84		1300	83		40-117	0		50
Hexachlorobutadiene	ND	1540	1200	78		1200	76		40-140	0		50
Hexachlorocyclopentadiene	ND	1540	970	63		1100	70		40-140	13		50
Hexachloroethane	ND	1540	1200	78		1200	76		40-140	0		50
Isophorone	ND	1540	1300	84		1300	83		40-140	0		50
Naphthalene	ND	1540	1200	78		1200	76		40-140	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 QC Batch ID: WG656386-4 WG656386-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
Nitrobenzene	ND	1540	1200	78		1300	83		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1540	1400	91		1400	89			0		50
n-Nitrosodi-n-propylamine	ND	1540	1400	91		1300	83		32-121	7		50
Bis(2-ethylhexyl)phthalate	ND	1540	1600	100		1500	96		40-140	6		50
Butyl benzyl phthalate	ND	1540	1500	97		1400	89		40-140	7		50
Di-n-butylphthalate	ND	1540	1500	97		1400	89		40-140	7		50
Di-n-octylphthalate	ND	1540	1600	100		1500	96		40-140	6		50
Diethyl phthalate	ND	1540	1400	91		1400	89		40-140	0		50
Dimethyl phthalate	ND	1540	1400	91		1400	89		40-140	0		50
Benzo(a)anthracene	ND	1540	1400	91		1300	83		40-140	7		50
Benzo(a)pyrene	ND	1540	1400	91		1300	83		40-140	7		50
Benzo(b)fluoranthene	ND	1540	1300	84		1300	83		40-140	0		50
Benzo(k)fluoranthene	ND	1540	1400	91		1300	83		40-140	7		50
Chrysene	ND	1540	1300	84		1200	76		40-140	8		50
Acenaphthylene	ND	1540	1300	84		1300	83		40-140	0		50
Anthracene	ND	1540	1300	84		1300	83		40-140	0		50
Benzo(ghi)perylene	ND	1540	1400	91		1200	76		40-140	15		50
Fluorene	ND	1540	1400	91		1300	83		40-140	7		50
Phenanthrene	ND	1540	1400	91		1300	83		40-140	7		50
Dibenzo(a,h)anthracene	ND	1540	1400	91		1300	83		40-140	7		50
Indeno(1,2,3-cd)pyrene	ND	1540	1400	91		1300	83		40-140	7		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 QC Batch ID: WG656386-4 WG656386-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
Pyrene	ND	1540	1400	91		1300	83		35-142	7		50
Biphenyl	ND	1540	1300	84		1300	83			0		50
4-Chloroaniline	ND	1540	1000	65		1200	76		40-140	18		50
2-Nitroaniline	ND	1540	1400	91		1400	89		47-134	0		50
3-Nitroaniline	ND	1540	1100	71		1000	64		26-129	10		50
4-Nitroaniline	ND	1540	1400	91		1400	89		41-125	0		50
Dibenzofuran	ND	1540	1300	84		1300	83		40-140	0		50
2-Methylnaphthalene	ND	1540	1300	84		1300	83		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1540	1300	84		1300	83		40-117	0		50
Acetophenone	ND	1540	1300	84		1400	89		14-144	7		50
2,4,6-Trichlorophenol	ND	1540	1400	91		1400	89		30-130	0		50
P-Chloro-M-Cresol	ND	1540	1400	91		1400	89		26-103	0		50
2-Chlorophenol	ND	1540	1300	84		1400	89		25-102	7		50
2,4-Dichlorophenol	ND	1540	1400	91		1400	89		30-130	0		50
2,4-Dimethylphenol	ND	1540	1400	91		1400	89		30-130	0		50
2-Nitrophenol	ND	1540	1400	91		1400	89		30-130	0		50
4-Nitrophenol	ND	1540	1300	84		1200	76		11-114	8		50
2,4-Dinitrophenol	ND	1540	740J	48		710J	45		4-130	4		50
4,6-Dinitro-o-cresol	ND	1540	1200	78		1000	64		10-130	18		50
Pentachlorophenol	ND	1540	1600	100		1500	96		17-109	6		50
Phenol	ND	1540	1200	78		1300	83		26-90	8		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-14 QC Batch ID: WG656386-4 WG656386-5 QC Sample: L1324515-10 Client ID: A4-EP (21')												
2-Methylphenol	ND	1540	1400	91		1400	89		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1540	1300	84		1400	89		30-130	7		50
2,4,5-Trichlorophenol	ND	1540	1500	97		1400	89		30-130	7		50
Benzoic Acid	ND	1540	610J	39		620J	39			2		50
Benzyl Alcohol	ND	1540	1400	91		1400	89		40-140	0		50
Carbazole	ND	1540	1400	91		1300	83		54-128	7		50

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
2,4,6-Tribromophenol	93		85		0-136
2-Fluorobiphenyl	82		83		30-120
2-Fluorophenol	81		82		25-120
4-Terphenyl-d14	86		75		18-120
Nitrobenzene-d5	85		87		23-120
Phenol-d6	81		82		10-120

PCBS

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-01
Client ID: G1-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 20:56
Analyst: JT
Percent Solids: 85%

Date Collected: 12/03/13 11:35
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	2.91	1	A
Aroclor 1221	ND		ug/kg	36.9	3.40	1	A
Aroclor 1232	ND		ug/kg	36.9	4.32	1	A
Aroclor 1242	ND		ug/kg	36.9	4.51	1	A
Aroclor 1248	ND		ug/kg	36.9	3.11	1	A
Aroclor 1254	ND		ug/kg	36.9	3.03	1	A
Aroclor 1260	ND		ug/kg	36.9	2.81	1	A
Aroclor 1262	ND		ug/kg	36.9	1.83	1	A
Aroclor 1268	ND		ug/kg	36.9	5.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-02
Client ID: F2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 21:08
Analyst: JT
Percent Solids: 64%

Date Collected: 12/03/13 10:35
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.2	3.96	1	A
Aroclor 1221	ND		ug/kg	50.2	4.63	1	A
Aroclor 1232	ND		ug/kg	50.2	5.88	1	A
Aroclor 1242	ND		ug/kg	50.2	6.14	1	A
Aroclor 1248	ND		ug/kg	50.2	4.24	1	A
Aroclor 1254	ND		ug/kg	50.2	4.12	1	A
Aroclor 1260	ND		ug/kg	50.2	3.82	1	A
Aroclor 1262	ND		ug/kg	50.2	2.49	1	A
Aroclor 1268	ND		ug/kg	50.2	7.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-03
Client ID: F2-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 21:21
Analyst: JT
Percent Solids: 84%

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	3.04	1	A
Aroclor 1221	ND		ug/kg	38.5	3.55	1	A
Aroclor 1232	ND		ug/kg	38.5	4.51	1	A
Aroclor 1242	ND		ug/kg	38.5	4.71	1	A
Aroclor 1248	ND		ug/kg	38.5	3.25	1	A
Aroclor 1254	ND		ug/kg	38.5	3.16	1	A
Aroclor 1260	ND		ug/kg	38.5	2.93	1	A
Aroclor 1262	ND		ug/kg	38.5	1.91	1	A
Aroclor 1268	ND		ug/kg	38.5	5.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-04
Client ID: E1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 21:33
Analyst: JT
Percent Solids: 75%

Date Collected: 12/03/13 09:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.8	3.46	1	A
Aroclor 1221	ND		ug/kg	43.8	4.04	1	A
Aroclor 1232	ND		ug/kg	43.8	5.14	1	A
Aroclor 1242	ND		ug/kg	43.8	5.36	1	A
Aroclor 1248	ND		ug/kg	43.8	3.70	1	A
Aroclor 1254	ND		ug/kg	43.8	3.60	1	A
Aroclor 1260	ND		ug/kg	43.8	3.34	1	A
Aroclor 1262	ND		ug/kg	43.8	2.17	1	A
Aroclor 1268	ND		ug/kg	43.8	6.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-05
Client ID: D2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 21:45
Analyst: JT
Percent Solids: 72%

Date Collected: 12/03/13 10:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.7	3.61	1	A
Aroclor 1221	ND		ug/kg	45.7	4.22	1	A
Aroclor 1232	ND		ug/kg	45.7	5.36	1	A
Aroclor 1242	ND		ug/kg	45.7	5.60	1	A
Aroclor 1248	ND		ug/kg	45.7	3.86	1	A
Aroclor 1254	ND		ug/kg	45.7	3.76	1	A
Aroclor 1260	ND		ug/kg	45.7	3.48	1	A
Aroclor 1262	ND		ug/kg	45.7	2.27	1	A
Aroclor 1268	ND		ug/kg	45.7	6.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-06
Client ID: D2-EP (19.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 21:57
Analyst: JT
Percent Solids: 82%

Date Collected: 12/03/13 10:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.13	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-07
Client ID: C1-EP (18.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 22:10
Analyst: JT
Percent Solids: 79%

Date Collected: 12/02/13 16:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.22	1	A
Aroclor 1221	ND		ug/kg	40.8	3.76	1	A
Aroclor 1232	ND		ug/kg	40.8	4.78	1	A
Aroclor 1242	ND		ug/kg	40.8	4.99	1	A
Aroclor 1248	ND		ug/kg	40.8	3.44	1	A
Aroclor 1254	ND		ug/kg	40.8	3.35	1	A
Aroclor 1260	ND		ug/kg	40.8	3.11	1	A
Aroclor 1262	ND		ug/kg	40.8	2.02	1	A
Aroclor 1268	ND		ug/kg	40.8	5.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-08
Client ID: A1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 22:22
Analyst: JT
Percent Solids: 80%

Date Collected: 12/03/13 09:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	3.26	1	A
Aroclor 1221	ND		ug/kg	41.2	3.80	1	A
Aroclor 1232	ND		ug/kg	41.2	4.83	1	A
Aroclor 1242	ND		ug/kg	41.2	5.04	1	A
Aroclor 1248	ND		ug/kg	41.2	3.48	1	A
Aroclor 1254	ND		ug/kg	41.2	3.39	1	A
Aroclor 1260	ND		ug/kg	41.2	3.14	1	A
Aroclor 1262	ND		ug/kg	41.2	2.04	1	A
Aroclor 1268	ND		ug/kg	41.2	5.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-09
Client ID: B3-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 22:34
Analyst: JT
Percent Solids: 89%

Date Collected: 12/02/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	2.82	1	A
Aroclor 1221	ND		ug/kg	35.7	3.29	1	A
Aroclor 1232	ND		ug/kg	35.7	4.18	1	A
Aroclor 1242	ND		ug/kg	35.7	4.37	1	A
Aroclor 1248	ND		ug/kg	35.7	3.01	1	A
Aroclor 1254	ND		ug/kg	35.7	2.93	1	A
Aroclor 1260	ND		ug/kg	35.7	2.72	1	A
Aroclor 1262	ND		ug/kg	35.7	1.77	1	A
Aroclor 1268	ND		ug/kg	35.7	5.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-10
Client ID: A4-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/05/13 15:47
Analyst: JT
Percent Solids: 85%

Date Collected: 12/02/13 11:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/04/13 14:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	3.07	1	A
Aroclor 1221	ND		ug/kg	38.9	3.59	1	A
Aroclor 1232	ND		ug/kg	38.9	4.56	1	A
Aroclor 1242	ND		ug/kg	38.9	4.76	1	A
Aroclor 1248	ND		ug/kg	38.9	3.28	1	A
Aroclor 1254	10.4	J	ug/kg	38.9	3.20	1	B
Aroclor 1260	19.7	J	ug/kg	38.9	2.96	1	B
Aroclor 1262	ND		ug/kg	38.9	1.93	1	A
Aroclor 1268	9.46	J	ug/kg	38.9	5.64	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-11
Client ID: B5-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 22:47
Analyst: JT
Percent Solids: 79%

Date Collected: 12/02/13 13:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.13	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-12
Client ID: C6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 22:59
Analyst: JT
Percent Solids: 83%

Date Collected: 12/02/13 12:30
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 06:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.03	1	A
Aroclor 1221	ND		ug/kg	38.4	3.54	1	A
Aroclor 1232	ND		ug/kg	38.4	4.50	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	3.24	1	A
Aroclor 1254	ND		ug/kg	38.4	3.15	1	A
Aroclor 1260	ND		ug/kg	38.4	2.92	1	A
Aroclor 1262	ND		ug/kg	38.4	1.90	1	A
Aroclor 1268	ND		ug/kg	38.4	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-13
Client ID: A6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 23:11
Analyst: JT
Percent Solids: 83%

Date Collected: 12/02/13 14:50
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 06:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	3.08	1	A
Aroclor 1221	ND		ug/kg	38.9	3.59	1	A
Aroclor 1232	ND		ug/kg	38.9	4.56	1	A
Aroclor 1242	ND		ug/kg	38.9	4.76	1	A
Aroclor 1248	ND		ug/kg	38.9	3.29	1	A
Aroclor 1254	ND		ug/kg	38.9	3.20	1	A
Aroclor 1260	ND		ug/kg	38.9	2.97	1	A
Aroclor 1262	ND		ug/kg	38.9	1.93	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-14
Client ID: DUPLICATE
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/06/13 23:24
Analyst: JT
Percent Solids: 87%

Date Collected: 12/02/13 00:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 06:34
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	2.88	1	A
Aroclor 1221	ND		ug/kg	36.5	3.37	1	A
Aroclor 1232	ND		ug/kg	36.5	4.28	1	A
Aroclor 1242	ND		ug/kg	36.5	4.47	1	A
Aroclor 1248	ND		ug/kg	36.5	3.08	1	A
Aroclor 1254	ND		ug/kg	36.5	3.00	1	A
Aroclor 1260	ND		ug/kg	36.5	2.78	1	A
Aroclor 1262	ND		ug/kg	36.5	1.81	1	A
Aroclor 1268	ND		ug/kg	36.5	5.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-15
Client ID: FIELD BLANK
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/06/13 17:22
Analyst: JT

Date Collected: 12/03/13 12:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/13 18:42
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 12/05/13 14:54
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 12/04/13 14:22
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/05/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG656181-1						
Aroclor 1016	ND		ug/kg	32.9	2.60	A
Aroclor 1221	ND		ug/kg	32.9	3.03	A
Aroclor 1232	ND		ug/kg	32.9	3.86	A
Aroclor 1242	ND		ug/kg	32.9	4.03	A
Aroclor 1248	ND		ug/kg	32.9	2.78	A
Aroclor 1254	ND		ug/kg	32.9	2.70	A
Aroclor 1260	ND		ug/kg	32.9	2.51	A
Aroclor 1262	ND		ug/kg	32.9	1.63	A
Aroclor 1268	ND		ug/kg	32.9	4.77	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 12/06/13 19:37
 Analyst: JT

Extraction Method: EPA 3510C
 Extraction Date: 12/05/13 18:42
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/06/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 15 Batch: WG656598-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 12/06/13 23:36
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 12/06/13 05:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/06/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09,11-14 Batch: WG656688-1						
Aroclor 1016	ND		ug/kg	33.0	2.61	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.87	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	80		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 QC Batch ID: WG656181-4 WG656181-5 QC Sample: L1324515-10 Client ID: A4-EP (21')													
Aroclor 1016	ND	234	146	62		185	77		40-140	24		50	A
Aroclor 1260	19.7J	234	194	83		177	74		40-140	9		50	B

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	70		92		30-150	A
Decachlorobiphenyl	75		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		79		30-150	B
Decachlorobiphenyl	105		84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG656181-2 WG656181-3									
Aroclor 1016	68		75		40-140	10		50	A
Aroclor 1260	71		81		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		82		30-150	A
Decachlorobiphenyl	76		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		79		30-150	B
Decachlorobiphenyl	81		115		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 15 Batch: WG656598-2 WG656598-3									
Aroclor 1016	56		71		40-140	24		50	A
Aroclor 1260	54		69		40-140	24		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		59		30-150	A
Decachlorobiphenyl	61		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		60		30-150	B
Decachlorobiphenyl	69		80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09,11-14 Batch: WG656688-2 WG656688-3									
Aroclor 1016	64		60		40-140	6		50	A
Aroclor 1260	64		59		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		58		30-150	A
Decachlorobiphenyl	67		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		58		30-150	B
Decachlorobiphenyl	73		67		30-150	B

PESTICIDES

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-01
Client ID: G1-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/05/13 13:48
Analyst: SH
Percent Solids: 85%

Date Collected: 12/03/13 11:35
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/04/13 12:30
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.359	1	A
Lindane	ND		ug/kg	0.764	0.341	1	A
Alpha-BHC	ND		ug/kg	0.764	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.695	1	A
Heptachlor	ND		ug/kg	0.916	0.411	1	A
Aldrin	ND		ug/kg	1.83	0.645	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.764	0.313	1	A
Dieldrin	ND		ug/kg	1.14	0.573	1	A
4,4'-DDE	ND		ug/kg	1.83	0.424	1	A
4,4'-DDD	ND		ug/kg	1.83	0.654	1	A
4,4'-DDT	ND		ug/kg	3.44	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.433	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.764	0.349	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A
trans-Chlordane	ND		ug/kg	2.29	0.605	1	A
Chlordane	ND		ug/kg	14.9	6.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-02
Client ID: F2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/05/13 14:01
Analyst: SH
Percent Solids: 64%

Date Collected: 12/03/13 10:35
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/04/13 12:30
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.41	0.473	1	A
Lindane	ND		ug/kg	1.00	0.450	1	A
Alpha-BHC	ND		ug/kg	1.00	0.286	1	A
Beta-BHC	ND		ug/kg	2.41	0.915	1	A
Heptachlor	ND		ug/kg	1.21	0.541	1	A
Aldrin	ND		ug/kg	2.41	0.850	1	A
Heptachlor epoxide	ND		ug/kg	4.52	1.36	1	A
Endrin	ND		ug/kg	1.00	0.412	1	A
Dieldrin	ND		ug/kg	1.51	0.754	1	A
4,4'-DDE	ND		ug/kg	2.41	0.558	1	A
4,4'-DDD	ND		ug/kg	2.41	0.861	1	A
4,4'-DDT	ND		ug/kg	4.52	1.94	1	A
Endosulfan I	ND		ug/kg	2.41	0.570	1	A
Endosulfan II	ND		ug/kg	2.41	0.807	1	A
Endosulfan sulfate	ND		ug/kg	1.00	0.460	1	A
Methoxychlor	ND		ug/kg	4.52	1.41	1	A
cis-Chlordane	ND		ug/kg	3.02	0.841	1	A
trans-Chlordane	ND		ug/kg	3.02	0.796	1	A
Chlordane	ND		ug/kg	19.6	8.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-03
Client ID: F2-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 11:23
Analyst: SH
Percent Solids: 84%

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.754	0.337	1	A
Alpha-BHC	ND		ug/kg	0.754	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.686	1	A
Heptachlor	ND		ug/kg	0.905	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.637	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.754	0.309	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.39	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	0.679	J	ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.754	0.345	1	A
Methoxychlor	ND		ug/kg	3.39	1.06	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.597	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-04
Client ID: E1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 11:35
Analyst: SH
Percent Solids: 75%

Date Collected: 12/03/13 09:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.07	0.404	1	A
Lindane	ND		ug/kg	0.861	0.385	1	A
Alpha-BHC	ND		ug/kg	0.861	0.244	1	A
Beta-BHC	ND		ug/kg	2.07	0.783	1	A
Heptachlor	ND		ug/kg	1.03	0.463	1	A
Aldrin	ND		ug/kg	2.07	0.727	1	A
Heptachlor epoxide	ND		ug/kg	3.87	1.16	1	A
Endrin	ND		ug/kg	0.861	0.353	1	A
Dieldrin	ND		ug/kg	1.29	0.646	1	A
4,4'-DDE	ND		ug/kg	2.07	0.478	1	A
4,4'-DDD	ND		ug/kg	2.07	0.737	1	A
4,4'-DDT	ND		ug/kg	3.87	1.66	1	A
Endosulfan I	ND		ug/kg	2.07	0.488	1	A
Endosulfan II	ND		ug/kg	2.07	0.690	1	A
Endosulfan sulfate	ND		ug/kg	0.861	0.393	1	A
Methoxychlor	ND		ug/kg	3.87	1.20	1	A
cis-Chlordane	ND		ug/kg	2.58	0.720	1	A
trans-Chlordane	ND		ug/kg	2.58	0.682	1	A
Chlordane	ND		ug/kg	16.8	6.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	123		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-05
Client ID: D2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 11:48
Analyst: SH
Percent Solids: 72%

Date Collected: 12/03/13 10:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.17	0.424	1	A
Lindane	ND		ug/kg	0.903	0.404	1	A
Alpha-BHC	ND		ug/kg	0.903	0.256	1	A
Beta-BHC	ND		ug/kg	2.17	0.821	1	A
Heptachlor	ND		ug/kg	1.08	0.486	1	A
Aldrin	ND		ug/kg	2.17	0.763	1	A
Heptachlor epoxide	ND		ug/kg	4.06	1.22	1	A
Endrin	ND		ug/kg	0.903	0.370	1	A
Dieldrin	ND		ug/kg	1.35	0.677	1	A
4,4'-DDE	ND		ug/kg	2.17	0.501	1	A
4,4'-DDD	ND		ug/kg	2.17	0.773	1	A
4,4'-DDT	ND		ug/kg	4.06	1.74	1	A
Endosulfan I	ND		ug/kg	2.17	0.512	1	A
Endosulfan II	ND		ug/kg	2.17	0.724	1	A
Endosulfan sulfate	ND		ug/kg	0.903	0.412	1	A
Methoxychlor	ND		ug/kg	4.06	1.26	1	A
cis-Chlordane	ND		ug/kg	2.71	0.755	1	A
trans-Chlordane	ND		ug/kg	2.71	0.715	1	A
Chlordane	ND		ug/kg	17.6	7.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-06
Client ID: D2-EP (19.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 12:01
Analyst: SH
Percent Solids: 82%

Date Collected: 12/03/13 10:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.804	0.359	1	A
Alpha-BHC	ND		ug/kg	0.804	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.965	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.08	1	A
Endrin	ND		ug/kg	0.804	0.330	1	A
Dieldrin	ND		ug/kg	1.21	0.603	1	A
4,4'-DDE	ND		ug/kg	1.93	0.446	1	A
4,4'-DDD	ND		ug/kg	1.93	0.688	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.645	1	A
Endosulfan sulfate	ND		ug/kg	0.804	0.367	1	A
Methoxychlor	ND		ug/kg	3.62	1.12	1	A
cis-Chlordane	ND		ug/kg	2.41	0.672	1	A
trans-Chlordane	ND		ug/kg	2.41	0.637	1	A
Chlordane	ND		ug/kg	15.7	6.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-07
Client ID: C1-EP (18.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 12:13
Analyst: SH
Percent Solids: 79%

Date Collected: 12/02/13 16:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.801	0.358	1	A
Alpha-BHC	ND		ug/kg	0.801	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.728	1	A
Heptachlor	ND		ug/kg	0.961	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.676	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.801	0.328	1	A
Dieldrin	ND		ug/kg	1.20	0.600	1	A
4,4'-DDE	ND		ug/kg	1.92	0.444	1	A
4,4'-DDD	ND		ug/kg	1.92	0.685	1	A
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.642	1	A
Endosulfan sulfate	ND		ug/kg	0.801	0.366	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
cis-Chlordane	ND		ug/kg	2.40	0.669	1	A
trans-Chlordane	ND		ug/kg	2.40	0.634	1	A
Chlordane	ND		ug/kg	15.6	6.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-08
Client ID: A1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 12:26
Analyst: SH
Percent Solids: 80%

Date Collected: 12/03/13 09:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.787	0.352	1	A
Alpha-BHC	ND		ug/kg	0.787	0.223	1	A
Beta-BHC	ND		ug/kg	1.89	0.716	1	A
Heptachlor	ND		ug/kg	0.944	0.423	1	A
Aldrin	ND		ug/kg	1.89	0.665	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.787	0.322	1	A
Dieldrin	ND		ug/kg	1.18	0.590	1	A
4,4'-DDE	ND		ug/kg	1.89	0.436	1	A
4,4'-DDD	ND		ug/kg	1.89	0.673	1	A
4,4'-DDT	ND		ug/kg	3.54	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.446	1	A
Endosulfan II	ND		ug/kg	1.89	0.631	1	A
Endosulfan sulfate	ND		ug/kg	0.787	0.359	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
cis-Chlordane	ND		ug/kg	2.36	0.658	1	A
trans-Chlordane	ND		ug/kg	2.36	0.623	1	A
Chlordane	ND		ug/kg	15.3	6.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	4850	Q	30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	173	Q	30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-09
Client ID: B3-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 12:39
Analyst: SH
Percent Solids: 89%

Date Collected: 12/02/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.733	0.328	1	A
Alpha-BHC	ND		ug/kg	0.733	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.733	0.300	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.30	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.733	0.335	1	A
Methoxychlor	ND		ug/kg	3.30	1.02	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.3	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-10
Client ID: A4-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 13:43
Analyst: SH
Percent Solids: 85%

Date Collected: 12/02/13 11:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.763	0.341	1	A
Alpha-BHC	ND		ug/kg	0.763	0.216	1	A
Beta-BHC	ND		ug/kg	1.83	0.694	1	A
Heptachlor	ND		ug/kg	0.915	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.644	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.763	0.313	1	A
Dieldrin	ND		ug/kg	1.14	0.572	1	A
4,4'-DDE	ND		ug/kg	1.83	0.423	1	A
4,4'-DDD	ND		ug/kg	1.83	0.653	1	A
4,4'-DDT	ND		ug/kg	3.43	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.763	0.348	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A
trans-Chlordane	ND		ug/kg	2.29	0.604	1	A
Chlordane	ND		ug/kg	14.9	6.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-11
Client ID: B5-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 13:55
Analyst: SH
Percent Solids: 79%

Date Collected: 12/02/13 13:15
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.804	0.359	1	A
Alpha-BHC	ND		ug/kg	0.804	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.965	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.08	1	A
Endrin	ND		ug/kg	0.804	0.330	1	A
Dieldrin	ND		ug/kg	1.21	0.603	1	A
4,4'-DDE	ND		ug/kg	1.93	0.446	1	A
4,4'-DDD	ND		ug/kg	1.93	0.688	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.645	1	A
Endosulfan sulfate	ND		ug/kg	0.804	0.368	1	A
Methoxychlor	ND		ug/kg	3.62	1.12	1	A
cis-Chlordane	ND		ug/kg	2.41	0.672	1	A
trans-Chlordane	ND		ug/kg	2.41	0.637	1	A
Chlordane	ND		ug/kg	15.7	6.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-12
Client ID: C6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 14:08
Analyst: SH
Percent Solids: 83%

Date Collected: 12/02/13 12:30
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.337	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.685	1	A
Heptachlor	ND		ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Dieldrin	ND		ug/kg	1.13	0.565	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.753	0.344	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	14.7	5.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-13
Client ID: A6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 14:21
Analyst: SH
Percent Solids: 83%

Date Collected: 12/02/13 14:50
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:27
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.651	1	A
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.610	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.347	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-14
Client ID: DUPLICATE
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/13 14:33
Analyst: SH
Percent Solids: 87%

Date Collected: 12/02/13 00:00
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:27
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.399	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.741	0.304	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	ND		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	ND		ug/kg	3.34	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.741	0.339	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
cis-Chlordane	ND		ug/kg	2.22	0.620	1	A
trans-Chlordane	ND		ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.4	5.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**SAMPLE RESULTS**

Lab ID: L1324515-15
Client ID: FIELD BLANK
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/06/13 15:04
Analyst: SH

Date Collected: 12/03/13 12:45
Date Received: 12/03/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/05/13 22:07
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 12/05/13 13:35
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 12/04/13 12:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG656136-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.597	A
Heptachlor	ND		ug/kg	0.787	0.353	A
Aldrin	ND		ug/kg	1.57	0.554	A
Heptachlor epoxide	ND		ug/kg	2.95	0.885	A
Endrin	ND		ug/kg	0.656	0.269	A
Dieldrin	ND		ug/kg	0.984	0.492	A
4,4'-DDE	ND		ug/kg	1.57	0.364	A
4,4'-DDD	ND		ug/kg	1.57	0.561	A
4,4'-DDT	ND		ug/kg	2.95	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.372	A
Endosulfan II	ND		ug/kg	1.57	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.300	A
Methoxychlor	ND		ug/kg	2.95	0.918	A
cis-Chlordane	ND		ug/kg	1.97	0.548	A
trans-Chlordane	ND		ug/kg	1.97	0.519	A
Chlordane	ND		ug/kg	12.8	5.21	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 12/06/13 16:46
 Analyst: SH

Extraction Method: EPA 3510C
 Extraction Date: 12/05/13 22:07
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15 Batch: WG656633-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 12/07/13 13:17
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 12/06/13 05:03
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-14 Batch: WG656686-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.600	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.557	A
Heptachlor epoxide	ND		ug/kg	2.97	0.890	A
Endrin	ND		ug/kg	0.660	0.270	A
Dieldrin	ND		ug/kg	0.989	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.301	A
Methoxychlor	ND		ug/kg	2.97	0.923	A
cis-Chlordane	ND		ug/kg	1.98	0.551	A
trans-Chlordane	ND		ug/kg	1.98	0.522	A
Chlordane	ND		ug/kg	12.9	5.24	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG656136-2 WG656136-3									
Delta-BHC	74		63		30-150	16		30	A
Lindane	63		52		30-150	19		30	A
Alpha-BHC	63		52		30-150	19		30	A
Beta-BHC	65		54		30-150	18		30	A
Heptachlor	77		63		30-150	20		30	A
Aldrin	72		61		30-150	17		30	A
Heptachlor epoxide	77		64		30-150	18		30	A
Endrin	85		70		30-150	19		30	A
Endrin ketone	92		74		30-150	22		30	A
Dieldrin	81		67		30-150	19		30	A
4,4'-DDE	75		64		30-150	16		30	A
4,4'-DDD	78		64		30-150	20		30	A
4,4'-DDT	94		77		30-150	20		30	A
Endosulfan I	82		68		30-150	19		30	A
Endosulfan II	87		72		30-150	19		30	A
Endosulfan sulfate	95		75		30-150	24		30	A
Methoxychlor	79		65		30-150	19		30	A
cis-Chlordane	78		64		30-150	20		30	A
trans-Chlordane	76		63		30-150	19		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG656136-2 WG656136-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		45		30-150	A
Decachlorobiphenyl	80		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		42		30-150	B
Decachlorobiphenyl	83		71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15 Batch: WG656633-2 WG656633-3									
Delta-BHC	89		82		30-150	9		20	A
Lindane	96		88		30-150	9		20	A
Alpha-BHC	96		88		30-150	9		20	A
Beta-BHC	90		87		30-150	4		20	A
Heptachlor	96		89		30-150	8		20	A
Aldrin	94		87		30-150	8		20	A
Heptachlor epoxide	94		86		30-150	9		20	A
Endrin	99		91		30-150	9		20	A
Endrin ketone	86		77		30-150	11		20	A
Dieldrin	101		93		30-150	9		20	A
4,4'-DDE	95		86		30-150	9		20	A
4,4'-DDD	99		90		30-150	9		20	A
4,4'-DDT	106		97		30-150	9		20	A
Endosulfan I	97		89		30-150	9		20	A
Endosulfan II	90		81		30-150	10		20	A
Endosulfan sulfate	80		72		30-150	11		20	A
Methoxychlor	112		100		30-150	11		20	A
cis-Chlordane	113		100		30-150	12		20	A
trans-Chlordane	95		87		30-150	9		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15 Batch: WG656633-2 WG656633-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		78		30-150	A
Decachlorobiphenyl	112		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		67		30-150	B
Decachlorobiphenyl	93		90		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-14 Batch: WG656686-2 WG656686-3									
Delta-BHC	78		79		30-150	1		30	A
Lindane	82		84		30-150	2		30	A
Alpha-BHC	81		83		30-150	2		30	A
Beta-BHC	81		81		30-150	0		30	A
Heptachlor	83		85		30-150	2		30	A
Aldrin	81		85		30-150	5		30	A
Heptachlor epoxide	79		82		30-150	4		30	A
Endrin	83		87		30-150	5		30	A
Endrin ketone	74		73		30-150	1		30	A
Dieldrin	85		88		30-150	3		30	A
4,4'-DDE	80		84		30-150	5		30	A
4,4'-DDD	83		86		30-150	4		30	A
4,4'-DDT	90		92		30-150	2		30	A
Endosulfan I	81		85		30-150	5		30	A
Endosulfan II	75		78		30-150	4		30	A
Endosulfan sulfate	71		70		30-150	1		30	A
Methoxychlor	95		96		30-150	1		30	A
cis-Chlordane	92		98		30-150	6		30	A
trans-Chlordane	81		84		30-150	4		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-14 Batch: WG656686-2 WG656686-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		73		30-150	A
Decachlorobiphenyl	92		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		64		30-150	B
Decachlorobiphenyl	76		70		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-14 QC Batch ID: WG656686-4 WG656686-5 QC Sample: L1324515-10 Client ID: A4-EP (21')													
Delta-BHC	ND	38.8	29.9	77		30.4	81		30-150	2		50	A
Lindane	ND	38.8	31.7	82		32.1	86		30-150	1		50	A
Alpha-BHC	ND	38.8	31.4	81		31.7	85		30-150	1		50	A
Beta-BHC	ND	38.8	31.6	81		31.0	83		30-150	2		50	A
Heptachlor	ND	38.8	32.8	85		32.4	87		30-150	1		50	A
Aldrin	ND	38.8	31.9	82		31.7	85		30-150	1		50	A
Heptachlor epoxide	ND	38.8	30.8	79		30.4	81		30-150	1		50	A
Endrin	ND	38.8	32.3	83		31.3	84		30-150	3		50	A
Endrin ketone	ND	38.8	27.6	71		26.2	70		30-150	5		50	A
Dieldrin	ND	38.8	33.0	85		32.3	87		30-150	2		50	A
4,4'-DDE	ND	38.8	31.0	80		30.9	83		30-150	0		50	A
4,4'-DDD	ND	38.8	32.2	83		31.3	84		30-150	3		50	A
4,4'-DDT	ND	38.8	34.2	88		32.9	88		30-150	4		50	A
Endosulfan I	ND	38.8	32.0	83		31.2	84		30-150	3		50	A
Endosulfan II	ND	38.8	29.0	75		28.3	76		30-150	2		50	A
Endosulfan sulfate	ND	38.8	26.6	69		25.4	68		30-150	5		50	A
Methoxychlor	ND	38.8	35.5	92		32.4	87		30-150	9		50	A
cis-Chlordane	ND	38.8	35.8	92		35.1	94		30-150	2		50	A
trans-Chlordane	ND	38.8	31.3	81		31.2	84		30-150	0		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-14 QC Batch ID: WG656686-4 WG656686-5 QC Sample: L1324515-10 Client ID: A4-EP (21')

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	A
Decachlorobiphenyl	89		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		66		30-150	B
Decachlorobiphenyl	70		74		30-150	B

METALS

Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-01

Date Collected: 12/03/13 11:35

Client ID: G1-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	8.9	1.8	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.4	0.71	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Arsenic, Total	1.5		mg/kg	0.89	0.18	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Barium, Total	80		mg/kg	0.89	0.27	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Beryllium, Total	0.47		mg/kg	0.44	0.09	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Cadmium, Total	0.33	J	mg/kg	0.89	0.06	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Calcium, Total	1400		mg/kg	8.9	2.7	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Chromium, Total	54		mg/kg	0.89	0.18	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Cobalt, Total	10		mg/kg	1.8	0.44	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Copper, Total	13		mg/kg	0.89	0.18	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.8	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Lead, Total	7.5		mg/kg	4.4	0.18	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Magnesium, Total	3700		mg/kg	8.9	0.89	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Manganese, Total	450		mg/kg	0.89	0.18	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 10:42	EPA 7471B	1,7471B	JH
Nickel, Total	130		mg/kg	2.2	0.35	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Potassium, Total	1900		mg/kg	220	35.	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Sodium, Total	120	J	mg/kg	180	27.	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.89	0.09	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG
Zinc, Total	24		mg/kg	4.4	0.62	2	12/07/13 12:03	12/09/13 16:34	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-02

Date Collected: 12/03/13 10:35

Client ID: F2-EP (15')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 64%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4900		mg/kg	12	2.3	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	5.8	0.93	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Arsenic, Total	1.4		mg/kg	1.2	0.23	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Barium, Total	44		mg/kg	1.2	0.35	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Beryllium, Total	0.47	J	mg/kg	0.58	0.12	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Cadmium, Total	0.33	J	mg/kg	1.2	0.08	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Calcium, Total	1300		mg/kg	12	3.5	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Chromium, Total	13		mg/kg	1.2	0.23	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Cobalt, Total	4.6		mg/kg	2.3	0.58	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Copper, Total	7.0		mg/kg	1.2	0.23	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	5.8	2.3	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Lead, Total	9.2		mg/kg	5.8	0.23	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Magnesium, Total	2200		mg/kg	12	1.2	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Manganese, Total	420		mg/kg	1.2	0.23	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 10:44	EPA 7471B	1,7471B	JH
Nickel, Total	11		mg/kg	2.9	0.47	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Potassium, Total	1800		mg/kg	290	47.	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.3	0.35	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.2	0.23	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Sodium, Total	120	J	mg/kg	230	35.	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.3	0.47	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	1.2	0.12	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG
Zinc, Total	18		mg/kg	5.8	0.82	2	12/07/13 12:03	12/09/13 16:38	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-03

Date Collected: 12/03/13 11:00

Client ID: F2-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	9.0	1.8	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.72	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Arsenic, Total	2.3		mg/kg	0.90	0.18	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Barium, Total	81		mg/kg	0.90	0.27	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.45	0.09	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Cadmium, Total	0.32	J	mg/kg	0.90	0.06	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Calcium, Total	1600		mg/kg	9.0	2.7	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Chromium, Total	23		mg/kg	0.90	0.18	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Cobalt, Total	6.8		mg/kg	1.8	0.45	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Copper, Total	12		mg/kg	0.90	0.18	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.5	1.8	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Lead, Total	7.6		mg/kg	4.5	0.18	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Magnesium, Total	3200		mg/kg	9.0	0.90	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Manganese, Total	460		mg/kg	0.90	0.18	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 10:46	EPA 7471B	1,7471B	JH
Nickel, Total	37		mg/kg	2.2	0.36	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Potassium, Total	2100		mg/kg	220	36.	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.90	0.18	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Sodium, Total	120	J	mg/kg	180	27.	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.90	0.09	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG
Zinc, Total	24		mg/kg	4.5	0.63	2	12/07/13 12:03	12/09/13 16:41	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-04

Date Collected: 12/03/13 09:45

Client ID: E1-EP (21')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	10	2.1	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	5.2	0.83	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Arsenic, Total	1.5		mg/kg	1.0	0.21	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Barium, Total	75		mg/kg	1.0	0.31	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Beryllium, Total	0.61		mg/kg	0.52	0.10	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Cadmium, Total	0.39	J	mg/kg	1.0	0.07	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Calcium, Total	2200		mg/kg	10	3.1	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	1.0	0.21	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Cobalt, Total	6.8		mg/kg	2.1	0.52	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Copper, Total	15		mg/kg	1.0	0.21	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Iron, Total	18000		mg/kg	5.2	2.1	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Lead, Total	10		mg/kg	5.2	0.21	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Magnesium, Total	3400		mg/kg	10	1.0	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Manganese, Total	400		mg/kg	1.0	0.21	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 10:48	EPA 7471B	1,7471B	JH
Nickel, Total	19		mg/kg	2.6	0.42	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Potassium, Total	2300		mg/kg	260	42.	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.1	0.31	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.0	0.21	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Sodium, Total	210		mg/kg	210	31.	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.1	0.42	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Vanadium, Total	22		mg/kg	1.0	0.10	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG
Zinc, Total	30		mg/kg	5.2	0.73	2	12/07/13 12:03	12/09/13 16:45	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-05

Date Collected: 12/03/13 10:00

Client ID: D2-EP (15')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2400		mg/kg	11	2.1	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	5.4	0.86	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Arsenic, Total	0.43	J	mg/kg	1.1	0.21	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Barium, Total	10		mg/kg	1.1	0.32	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Beryllium, Total	0.16	J	mg/kg	0.54	0.11	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Cadmium, Total	0.11	J	mg/kg	1.1	0.08	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Calcium, Total	620		mg/kg	11	3.2	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Chromium, Total	7.6		mg/kg	1.1	0.21	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Cobalt, Total	2.1		mg/kg	2.1	0.54	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Copper, Total	5.2		mg/kg	1.1	0.21	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Iron, Total	5400		mg/kg	5.4	2.1	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Lead, Total	3.1	J	mg/kg	5.4	0.21	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Magnesium, Total	1200		mg/kg	11	1.1	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Manganese, Total	58		mg/kg	1.1	0.21	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 10:53	EPA 7471B	1,7471B	JH
Nickel, Total	5.2		mg/kg	2.7	0.43	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Potassium, Total	500		mg/kg	270	43.	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.1	0.32	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.1	0.21	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Sodium, Total	97	J	mg/kg	210	32.	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.1	0.43	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Vanadium, Total	7.8		mg/kg	1.1	0.11	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG
Zinc, Total	8.2		mg/kg	5.4	0.75	2	12/07/13 12:03	12/09/13 16:48	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-06

Date Collected: 12/03/13 10:15

Client ID: D2-EP (19.5')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	19000		mg/kg	9.1	1.8	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.73	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Arsenic, Total	0.27	J	mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Barium, Total	250		mg/kg	0.91	0.27	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.46	0.09	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Cadmium, Total	0.61	J	mg/kg	0.91	0.06	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Calcium, Total	6500		mg/kg	9.1	2.7	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Chromium, Total	45		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Cobalt, Total	15		mg/kg	1.8	0.46	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Copper, Total	26		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Iron, Total	28000		mg/kg	4.6	1.8	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Lead, Total	3.4	J	mg/kg	4.6	0.18	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Magnesium, Total	14000		mg/kg	9.1	0.91	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 10:55	EPA 7471B	1,7471B	JH
Nickel, Total	32		mg/kg	2.3	0.36	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Potassium, Total	7600		mg/kg	230	36.	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Sodium, Total	280		mg/kg	180	27.	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Vanadium, Total	63		mg/kg	0.91	0.09	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG
Zinc, Total	56		mg/kg	4.6	0.64	2	12/07/13 12:03	12/09/13 16:52	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-07

Date Collected: 12/02/13 16:00

Client ID: C1-EP (18.5')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6000		mg/kg	9.8	2.0	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.9	0.79	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Arsenic, Total	2.2		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Barium, Total	95		mg/kg	0.98	0.30	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Beryllium, Total	0.54		mg/kg	0.49	0.10	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Cadmium, Total	0.36	J	mg/kg	0.98	0.07	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Calcium, Total	2100		mg/kg	9.8	3.0	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Chromium, Total	14		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Cobalt, Total	6.2		mg/kg	2.0	0.49	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Copper, Total	12		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Iron, Total	16000		mg/kg	4.9	2.0	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Lead, Total	9.1		mg/kg	4.9	0.20	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Magnesium, Total	3000		mg/kg	9.8	0.98	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Manganese, Total	360		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 10:57	EPA 7471B	1,7471B	JH
Nickel, Total	15		mg/kg	2.5	0.39	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Potassium, Total	1900		mg/kg	250	39.	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.0	0.30	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Sodium, Total	190	J	mg/kg	200	30.	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.0	0.39	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Vanadium, Total	21		mg/kg	0.98	0.10	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG
Zinc, Total	25		mg/kg	4.9	0.69	2	12/07/13 12:03	12/09/13 16:56	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-08

Date Collected: 12/03/13 09:15

Client ID: A1-EP (21')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6800		mg/kg	9.8	2.0	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.9	0.79	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Arsenic, Total	2.0		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Barium, Total	58		mg/kg	0.98	0.30	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Beryllium, Total	0.47	J	mg/kg	0.49	0.10	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Cadmium, Total	0.37	J	mg/kg	0.98	0.07	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Calcium, Total	8300		mg/kg	9.8	3.0	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Cobalt, Total	6.1		mg/kg	2.0	0.49	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Copper, Total	14		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Iron, Total	16000		mg/kg	4.9	2.0	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Lead, Total	38		mg/kg	4.9	0.20	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Magnesium, Total	4300		mg/kg	9.8	0.98	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Manganese, Total	380		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Mercury, Total	0.02	J	mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 10:59	EPA 7471B	1,7471B	JH
Nickel, Total	15		mg/kg	2.5	0.39	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Potassium, Total	1800		mg/kg	250	39.	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.0	0.30	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.98	0.20	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Sodium, Total	280		mg/kg	200	30.	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.0	0.39	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.98	0.10	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG
Zinc, Total	30		mg/kg	4.9	0.69	2	12/07/13 12:03	12/09/13 17:17	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-09

Date Collected: 12/02/13 11:45

Client ID: B3-EP (21')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4400		mg/kg	8.6	1.7	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.3	0.68	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Arsenic, Total	0.53	J	mg/kg	0.86	0.17	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Barium, Total	50		mg/kg	0.86	0.26	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Beryllium, Total	0.23	J	mg/kg	0.43	0.09	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Cadmium, Total	0.25	J	mg/kg	0.86	0.06	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Calcium, Total	1200		mg/kg	8.6	2.6	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Chromium, Total	42		mg/kg	0.86	0.17	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Cobalt, Total	7.6		mg/kg	1.7	0.43	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Copper, Total	10		mg/kg	0.86	0.17	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Iron, Total	12000		mg/kg	4.3	1.7	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Lead, Total	4.0	J	mg/kg	4.3	0.17	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Magnesium, Total	3200		mg/kg	8.6	0.86	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Manganese, Total	330		mg/kg	0.86	0.17	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	12/10/13 07:58	12/10/13 11:01	EPA 7471B	1,7471B	JH
Nickel, Total	96		mg/kg	2.1	0.34	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Potassium, Total	1600		mg/kg	210	34.	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.86	0.17	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Sodium, Total	100	J	mg/kg	170	26.	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Vanadium, Total	13		mg/kg	0.86	0.09	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG
Zinc, Total	19		mg/kg	4.3	0.60	2	12/07/13 12:03	12/09/13 17:21	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-10

Date Collected: 12/02/13 11:15

Client ID: A4-EP (21')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3400		mg/kg	9.1	1.8	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.73	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Arsenic, Total	0.65	J	mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Barium, Total	41		mg/kg	0.91	0.27	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Beryllium, Total	0.26	J	mg/kg	0.45	0.09	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Cadmium, Total	0.23	J	mg/kg	0.91	0.06	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Calcium, Total	3600		mg/kg	9.1	2.7	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Cobalt, Total	4.0		mg/kg	1.8	0.45	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Copper, Total	7.8		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Iron, Total	8500		mg/kg	4.5	1.8	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Lead, Total	5.2		mg/kg	4.5	0.18	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Magnesium, Total	2700		mg/kg	9.1	0.91	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Manganese, Total	320		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 11:09	EPA 7471B	1,7471B	JH
Nickel, Total	18		mg/kg	2.3	0.36	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Potassium, Total	1100		mg/kg	230	36.	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.91	0.18	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Sodium, Total	140	J	mg/kg	180	27.	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Vanadium, Total	11		mg/kg	0.91	0.09	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG
Zinc, Total	16		mg/kg	4.5	0.64	2	12/07/13 12:03	12/09/13 14:02	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-11

Date Collected: 12/02/13 13:15

Client ID: B5-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	9.6	1.9	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.8	0.77	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Arsenic, Total	1.1		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Barium, Total	38		mg/kg	0.96	0.29	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Beryllium, Total	0.22	J	mg/kg	0.48	0.10	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Cadmium, Total	0.21	J	mg/kg	0.96	0.07	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Calcium, Total	8600		mg/kg	9.6	2.9	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Chromium, Total	8.8		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Cobalt, Total	3.7		mg/kg	1.9	0.48	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Copper, Total	8.2		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Iron, Total	8700		mg/kg	4.8	1.9	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Lead, Total	4.7	J	mg/kg	4.8	0.19	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Magnesium, Total	3800		mg/kg	9.6	0.96	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Manganese, Total	460		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 11:03	EPA 7471B	1,7471B	JH
Nickel, Total	12		mg/kg	2.4	0.38	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Potassium, Total	960		mg/kg	240	38.	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.29	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Sodium, Total	120	J	mg/kg	190	29.	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Vanadium, Total	11		mg/kg	0.96	0.10	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG
Zinc, Total	14		mg/kg	4.8	0.67	2	12/07/13 12:03	12/09/13 17:24	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-12

Date Collected: 12/02/13 12:30

Client ID: C6-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6000		mg/kg	9.6	1.9	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.8	0.77	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Arsenic, Total	1.3		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Barium, Total	84		mg/kg	0.96	0.29	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Beryllium, Total	0.46	J	mg/kg	0.48	0.10	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Cadmium, Total	0.32	J	mg/kg	0.96	0.07	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Calcium, Total	3900		mg/kg	9.6	2.9	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Cobalt, Total	7.1		mg/kg	1.9	0.48	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Copper, Total	14		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.8	1.9	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Lead, Total	8.2		mg/kg	4.8	0.19	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Magnesium, Total	4600		mg/kg	9.6	0.96	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Manganese, Total	260		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 12:32	EPA 7471B	1,7471B	JH
Nickel, Total	18		mg/kg	2.4	0.38	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Potassium, Total	1800		mg/kg	240	38.	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.29	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.96	0.19	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Sodium, Total	140	J	mg/kg	190	29.	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.96	0.10	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG
Zinc, Total	27		mg/kg	4.8	0.67	2	12/07/13 12:03	12/09/13 17:28	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-13

Date Collected: 12/02/13 14:50

Client ID: A6-EP (18')

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4300		mg/kg	9.2	1.8	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.74	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Arsenic, Total	1.3		mg/kg	0.92	0.18	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Barium, Total	51		mg/kg	0.92	0.28	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.46	0.09	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Cadmium, Total	0.26	J	mg/kg	0.92	0.06	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Calcium, Total	1700		mg/kg	9.2	2.8	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Chromium, Total	11		mg/kg	0.92	0.18	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Cobalt, Total	4.7		mg/kg	1.8	0.46	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Copper, Total	9.2		mg/kg	0.92	0.18	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Iron, Total	12000		mg/kg	4.6	1.8	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Lead, Total	6.4		mg/kg	4.6	0.18	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Magnesium, Total	2300		mg/kg	9.2	0.92	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Manganese, Total	310		mg/kg	0.92	0.18	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 12:34	EPA 7471B	1,7471B	JH
Nickel, Total	14		mg/kg	2.3	0.37	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Potassium, Total	1600		mg/kg	230	37.	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.28	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Sodium, Total	180		mg/kg	180	28.	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Vanadium, Total	15		mg/kg	0.92	0.09	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG
Zinc, Total	18		mg/kg	4.6	0.64	2	12/07/13 12:03	12/09/13 17:31	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-14

Date Collected: 12/02/13 00:00

Client ID: DUPLICATE

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3800		mg/kg	8.7	1.7	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.3	0.70	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Arsenic, Total	0.73	J	mg/kg	0.87	0.17	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Barium, Total	48		mg/kg	0.87	0.26	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Beryllium, Total	0.30	J	mg/kg	0.43	0.09	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Cadmium, Total	0.22	J	mg/kg	0.87	0.06	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Calcium, Total	1600		mg/kg	8.7	2.6	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Chromium, Total	9.7		mg/kg	0.87	0.17	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Cobalt, Total	4.1		mg/kg	1.7	0.43	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Copper, Total	9.1		mg/kg	0.87	0.17	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Iron, Total	9800		mg/kg	4.3	1.7	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Lead, Total	5.3		mg/kg	4.3	0.17	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Magnesium, Total	2100		mg/kg	8.7	0.87	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Manganese, Total	390		mg/kg	0.87	0.17	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 12:36	EPA 7471B	1,7471B	JH
Nickel, Total	11		mg/kg	2.2	0.35	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Potassium, Total	1200		mg/kg	220	35.	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Sodium, Total	140	J	mg/kg	170	26.	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Vanadium, Total	12		mg/kg	0.87	0.09	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG
Zinc, Total	17		mg/kg	4.3	0.61	2	12/07/13 12:03	12/09/13 17:35	EPA 3050B	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-15

Date Collected: 12/03/13 12:45

Client ID: FIELD BLANK

Date Received: 12/03/13

Sample Location: 514-520 W 28TH ST, NY, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00236	J	mg/l	0.0100	0.00200	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Antimony, Total	0.00016	J	mg/l	0.00100	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Barium, Total	0.00019	J	mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Calcium, Total	0.0387	J	mg/l	0.100	0.0320	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Chromium, Total	0.00051	J	mg/l	0.00100	0.00020	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Copper, Total	0.00012	J	mg/l	0.00100	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Iron, Total	0.0151	J	mg/l	0.0500	0.0130	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Manganese, Total	0.00015	J	mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/10/13 12:00	12/10/13 17:21	EPA 7470A	1,7470A	JH
Nickel, Total	0.00010	J	mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Sodium, Total	0.0977	J	mg/l	0.100	0.0150	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM
Zinc, Total	0.00439	J	mg/l	0.01000	0.00120	1	12/04/13 08:44	12/04/13 18:21	EPA 3005A	1,6020A	BM



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 15 Batch: WG655999-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Antimony, Total	0.00015	J	mg/l	0.00100	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Chromium, Total	0.00024	J	mg/l	0.00100	0.00020	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Lead, Total	ND		mg/l	0.00050	0.00020	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Silver, Total	0.00035	J	mg/l	0.00040	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-14 Batch: WG657034-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Beryllium, Total	ND	mg/kg	0.20	0.04	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Cadmium, Total	ND	mg/kg	0.40	0.03	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Calcium, Total	ND	mg/kg	4.0	1.2	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Chromium, Total	ND	mg/kg	0.40	0.08	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Cobalt, Total	ND	mg/kg	0.80	0.20	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Copper, Total	ND	mg/kg	0.40	0.08	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Iron, Total	3.0	mg/kg	2.0	0.80	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Lead, Total	ND	mg/kg	2.0	0.08	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Magnesium, Total	ND	mg/kg	4.0	0.40	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Manganese, Total	ND	mg/kg	0.40	0.08	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Nickel, Total	ND	mg/kg	1.0	0.16	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Potassium, Total	ND	mg/kg	100	16.	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Selenium, Total	ND	mg/kg	0.80	0.12	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Silver, Total	ND	mg/kg	0.40	0.08	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Sodium, Total	ND	mg/kg	80	12.	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Thallium, Total	ND	mg/kg	0.80	0.16	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Vanadium, Total	ND	mg/kg	0.40	0.04	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG
Zinc, Total	ND	mg/kg	2.0	0.28	1	12/07/13 12:03	12/09/13 13:55	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-09,11 Batch: WG657417-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 10:07	1,7471B	JH

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 10 Batch: WG657419-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 11:05	1,7471B	JH



Project Name: 514-520 W 28TH STREET

Lab Number: L1324515

Project Number: E040

Report Date: 12/10/13

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 12-14 Batch: WG657613-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 12:22	1,7471B	JH

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 15 Batch: WG657791-1									
Mercury, Total	ND	mg/l	0.00020	0.00006	1	12/10/13 12:00	12/10/13 17:07	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15 Batch: WG655999-2								
Aluminum, Total	108		-		80-120	-		
Antimony, Total	85		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	94		-		80-120	-		
Cadmium, Total	97		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	90		-		80-120	-		
Cobalt, Total	98		-		80-120	-		
Copper, Total	94		-		80-120	-		
Iron, Total	106		-		80-120	-		
Lead, Total	91		-		80-120	-		
Magnesium, Total	117		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	94		-		80-120	-		
Potassium, Total	103		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	80		-		80-120	-		
Sodium, Total	117		-		80-120	-		
Thallium, Total	110		-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 514-520 W 28TH STREET**Project Number:** E040**Lab Number:** L1324515**Report Date:** 12/10/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15 Batch: WG655999-2					
Zinc, Total	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG657034-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	78	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	94	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	92	-	83-117	-	
Cadmium, Total	89	-	82-117	-	
Calcium, Total	87	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	94	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	86	-	51-150	-	
Lead, Total	93	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	87	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	91	-	74-126	-	
Selenium, Total	95	-	80-120	-	
Silver, Total	98	-	66-134	-	
Sodium, Total	92	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG657034-2 SRM Lot Number: 0518-10-02					
Zinc, Total	88	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01-09,11 Batch: WG657417-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 10 Batch: WG657419-2 SRM Lot Number: 0518-10-02					
Mercury, Total	111	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 12-14 Batch: WG657613-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 15 Batch: WG657791-2					
Mercury, Total	114	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15			QC Batch ID: WG655999-4			QC Sample: L1324183-01			Client ID: MS Sample			
Aluminum, Total	0.266	2	2.53	113		-	-		80-120	-		20
Antimony, Total	0.0007J	0.5	0.4080	82		-	-		80-120	-		20
Arsenic, Total	0.00054	0.12	0.1261	105		-	-		80-120	-		20
Barium, Total	0.0575	2	2.132	104		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04765	95		-	-		80-120	-		20
Cadmium, Total	0.00005J	0.051	0.05106	100		-	-		80-120	-		20
Calcium, Total	113.	10	133	200	Q	-	-		80-120	-		20
Chromium, Total	0.0008J	0.2	0.1862	93		-	-		80-120	-		20
Cobalt, Total	0.0008	0.5	0.4916	98		-	-		80-120	-		20
Copper, Total	0.0036	0.25	0.2341	92		-	-		80-120	-		20
Iron, Total	0.798	1	1.90	110		-	-		80-120	-		20
Lead, Total	0.00088	0.51	0.4613	90		-	-		80-120	-		20
Magnesium, Total	30.2	10	43.7	135	Q	-	-		80-120	-		20
Manganese, Total	0.02026	0.5	0.5070	97		-	-		80-120	-		20
Nickel, Total	0.0019	0.5	0.4658	93		-	-		80-120	-		20
Potassium, Total	6.18	10	17.2	110		-	-		80-120	-		20
Selenium, Total	0.002J	0.12	0.133	111		-	-		80-120	-		20
Silver, Total	0.0002J	0.05	0.03245	65	Q	-	-		80-120	-		20
Sodium, Total	11.0	10	23.7	127	Q	-	-		80-120	-		20
Thallium, Total	0.0001J	0.12	0.1321	110		-	-		80-120	-		20
Vanadium, Total	0.0006J	0.5	0.4924	98		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control**Project Name:** 514-520 W 28TH STREET**Project Number:** E040**Lab Number:** L1324515**Report Date:** 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15 QC Batch ID: WG655999-4 QC Sample: L1324183-01 Client ID: MS Sample									
Zinc, Total	0.0097J	0.5	0.5188	104	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG657034-3 WG657034-4 QC Sample: L1324515-10 Client ID: A4-EP (21')											
Aluminum, Total	3400	185	4200	433	Q	4200	432	Q	75-125	0	35
Antimony, Total	ND	46.2	39	84		38	82		75-125	3	35
Arsenic, Total	0.65J	11.1	11	99		10	90		75-125	10	35
Barium, Total	41.	185	210	92		200	86		75-125	5	35
Beryllium, Total	0.26J	4.62	4.6	100		4.5	97		75-125	2	35
Cadmium, Total	0.23J	4.71	4.3	91		4.2	89		75-125	2	35
Calcium, Total	3600	923	5600	216	Q	7000	367	Q	75-125	22	35
Chromium, Total	12.	18.5	29	92		29	92		75-125	0	35
Cobalt, Total	4.0	46.2	46	91		45	88		75-125	2	35
Copper, Total	7.8	23.1	30	96		29	92		75-125	3	35
Iron, Total	8500	92.3	9800	1410	Q	10000	1620	Q	75-125	2	35
Lead, Total	5.2	47.1	49	93		48	91		75-125	2	35
Magnesium, Total	2700	923	4100	152	Q	4300	173	Q	75-125	5	35
Manganese, Total	320	46.2	380	130	Q	360	86		75-125	5	35
Nickel, Total	18.	46.2	59	89		58	86		75-125	2	35
Potassium, Total	1100	923	2000	97		2000	97		75-125	0	35
Selenium, Total	ND	11.1	9.7	88		9.6	86		75-125	1	35
Silver, Total	ND	27.7	24	87		22	79		75-125	9	35
Sodium, Total	140J	923	1100	119		1100	119		75-125	0	35
Thallium, Total	ND	11.1	10	90		9.7	87		75-125	3	35
Vanadium, Total	11.	46.2	54	93		54	93		75-125	0	35

Matrix Spike Analysis

Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG657034-3 WG657034-4 QC Sample: L1324515-10 Client ID: A4-EP (21')									
Zinc, Total	16.	46.2	57	89	55	84	75-125	4	35
Total Metals - Westborough Lab Associated sample(s): 01-09,11 QC Batch ID: WG657417-4 QC Sample: L1324502-02 Client ID: MS Sample									
Mercury, Total	2.4	0.172	1.4	0	Q	-	80-120	-	35
Total Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG657419-3 WG657419-4 QC Sample: L1324515-10 Client ID: A4-EP (21')									
Mercury, Total	ND	0.171	0.26	152	Q	0.21	80-120	21	35
Total Metals - Westborough Lab Associated sample(s): 12-14 QC Batch ID: WG657613-4 QC Sample: L1324510-05 Client ID: MS Sample									
Mercury, Total	0.06J	0.159	0.24	151	Q	-	80-120	-	35
Total Metals - Westborough Lab Associated sample(s): 15 QC Batch ID: WG657791-4 QC Sample: L1324502-10 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00615	123	-	-	75-125	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15 QC Batch ID: WG655999-3 QC Sample: L1324183-01 Client ID: DUP Sample						
Cadmium, Total	0.00005J	ND	mg/l	NC		20
Lead, Total	0.00088	0.00091	mg/l	3		20
Total Metals - Westborough Lab Associated sample(s): 15 QC Batch ID: WG655999-3 QC Sample: L1324183-01 Client ID: DUP Sample						
Iron, Total	0.798	0.758	mg/l	5		20
Manganese, Total	0.02026	0.01893	mg/l	7		20
Potassium, Total	6.18	5.86	mg/l	5		20
Sodium, Total	11.0	10.5	mg/l	5		20
Total Metals - Westborough Lab Associated sample(s): 01-09,11 QC Batch ID: WG657417-3 QC Sample: L1324502-02 Client ID: DUP Sample						
Mercury, Total	2.4	0.94	mg/kg	87	Q	35
Total Metals - Westborough Lab Associated sample(s): 12-14 QC Batch ID: WG657613-3 QC Sample: L1324510-05 Client ID: DUP Sample						
Mercury, Total	0.06J	0.07J	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 15 QC Batch ID: WG657791-3 QC Sample: L1324502-10 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-01
Client ID: G1-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/03/13 11:35
Date Received: 12/03/13
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	85.1		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-02
Client ID: F2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/03/13 10:35
Date Received: 12/03/13
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	63.9		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-03
Client ID: F2-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
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	83.7		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-04
Client ID: E1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/03/13 09:45
Date Received: 12/03/13
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	74.8		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-05
Client ID: D2-EP (15')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/03/13 10:00
Date Received: 12/03/13
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	71.7		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-06
Client ID: D2-EP (19.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/03/13 10:15
Date Received: 12/03/13
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	82.3		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-07
Client ID: C1-EP (18.5')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/02/13 16:00
Date Received: 12/03/13
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	79.1		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-08
Client ID: A1-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/03/13 09:15
Date Received: 12/03/13
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	79.8		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-09
Client ID: B3-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/02/13 11:45
Date Received: 12/03/13
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	88.8		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-10
Client ID: A4-EP (21')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/02/13 11:15
Date Received: 12/03/13
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	84.6		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-11
Client ID: B5-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/02/13 13:15
Date Received: 12/03/13
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	78.8		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET**Project Number:** E040**Lab Number:** L1324515**Report Date:** 12/10/13**SAMPLE RESULTS****Lab ID:** L1324515-12**Client ID:** C6-EP (18')**Sample Location:** 514-520 W 28TH ST, NY, NY**Matrix:** Soil**Date Collected:** 12/02/13 12:30**Date Received:** 12/03/13**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	83.3		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-13
Client ID: A6-EP (18')
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/02/13 14:50
Date Received: 12/03/13
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	82.9		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

SAMPLE RESULTS

Lab ID: L1324515-14
Client ID: DUPLICATE
Sample Location: 514-520 W 28TH ST, NY, NY
Matrix: Soil

Date Collected: 12/02/13 00:00
Date Received: 12/03/13
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	87.1		%	0.100	NA	1	-	12/05/13 00:05	30,2540G	RT



Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1324515
Report Date: 12/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG656308-1 QC Sample: L1324506-01 Client ID: DUP Sample						
Solids, Total	81.2	81.2	%	0		20

Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 12/04/2013 02:30

Cooler Information Custody Seal

Cooler

A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-01A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-01B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-01C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-01D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)
L1324515-01E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1324515-01X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-01Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-01Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-02A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-02B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-02C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-02D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-02E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-02X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-02Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-02Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-03A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-03B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-03C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-03D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)
L1324515-03E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-03X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-03Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-03Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-04A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-04B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-04C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-04D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-04E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-04X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-04Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-04Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-05A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-05B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-05C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-05D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)
L1324515-05E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-05X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-05Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-05Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-06A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-06B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-06C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-06D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-06E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-06X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-06Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-06Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-07A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-07B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-07C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-07D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)
L1324515-07E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-07X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-07Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-07Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-08A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-08B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-08C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-08D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-08E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-08X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-08Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-08Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-09A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-09B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-09C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1324515-09D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)
L1324515-09E	Amber 250ml unpreserved	B	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-09X	Vial MeOH preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-09Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-09Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1324515-10A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10A1	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10A2	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10B1	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10B2	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10C1	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10C2	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-10D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-10D1	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1324515-10D2	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1324515-10E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1324515-10E1	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1324515-10E2	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1324515-10X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10X1	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10X2	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10Y1	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10Y2	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10Z1	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-10Z2	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-11A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-11B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-11C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-11D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1324515-11E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1324515-11X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-11Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-11Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-12A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-12B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-12C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-12D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1324515-12E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1324515-12X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-12Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-12Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-13A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-13B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-13C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-13D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET

Project Number: E040

Lab Number: L1324515

Report Date: 12/10/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-13E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-13X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-13Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-13Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-14A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-14B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-14C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1324515-14D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1324515-14E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1324515-14X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-14Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-14Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1324515-15A	Vial HCl preserved	C	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1324515-15B	Vial HCl preserved	C	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1324515-15C	Vial HCl preserved	C	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1324515-15D	Plastic 500ml HNO3 preserved	C	<2	4.3	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days



Project Name: 514-520 W 28TH STREET**Project Number:** E040**Lab Number:** L1324515**Report Date:** 12/10/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324515-15E	Amber 500ml unpreserved	C	7	4.3	Y	Absent	NYTCL-8081(7)
L1324515-15F	Amber 1000ml unpreserved	C	7	4.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1324515-15G	Amber 500ml unpreserved	C	7	4.3	Y	Absent	NYTCL-8082-1200ML(7)
L1324515-15H	Amber 1000ml unpreserved	C	7	4.3	Y	Absent	NYTCL-8082-1200ML(7)
L1324515-16A	Vial HCl preserved	B	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1324515-16B	Vial HCl preserved	B	N/A	3.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

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: 514-520 W 28TH STREET**Lab Number:** L1324515**Project Number:** E040**Report Date:** 12/10/13**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: 514-520 W 28TH STREET
Project Number: E040

Lab Number: L1324515
Report Date: 12/10/13

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.



Certificate/Approval Program Summary

Last revised November 12, 2013 - Westboro Facility

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

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

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

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

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

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

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO₃-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

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

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

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

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

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500P-E, 4500-S2-D, 4500SO₃-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

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

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, 4500SO₄-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO₃-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Page 232 of 236
Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

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

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

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

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

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

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

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

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

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

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C,

4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

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

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO₃-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

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 8260B**: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix**: Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix**: Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A**: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C**: Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine. **EPA 625**: 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071**: Total Petroleum Hydrocarbons, Oil & Grease. **EPA 9060** in a soil matrix.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 12/3/13

ALPHA Job #: L1324515

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY SUITE 1601
NY, NY

Phone: 212-440-6715

Fax:

Email: smcraus@integral-corp.com
ACARROLL@

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 514-520 W 28TH STREET

Project Location: 514-520 W 28TH ST., NY, NY

Project #: E040

Project Manager: ALANA CARROLL

ALPHA Quote #:

Turn-Around Time

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

Date Due: 12/10/13 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:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time			TEL VOCs VIA EPA METHOD 8210C PART 375+CP-51	TEL SVOCs VIA EPA METHOD 8210D PART 375+CP-51	TAL METALS VIA EPA METHOD 6010C PART 375+CP-51	TOTAL PCBs VIA EPA METHOD 8032A PART 375+CP-51	PESTICIDES VIA EPA METHOD 8061 B PART 375+CP-51	OTHER	OTHER	OTHER	OTHER	OTHER	
24515-01	G1-EP (18')	12/3/13	11:35	S	SGM	X	X	X	X	X						5
-02	F2-EP (15')	12/3/13	10:35	S												
-03	F2-EP (18')	12/3/13	11:00	S												
-04	E1-EP (21')	12/3/13	9:45	S												
-05	D2-EP (15')	12/3/13	10:00	S												
-06	D2-EP (19.5')	12/3/13	10:15	S												
-07	C1-EP (18.5')	12/2/13	16:00	S												
-08	A1-EP (21')	12/3/13	9:15	S												
-09	B3-EP (21')	12/2/13	11:45	S												
-10	A4-EP (21')	12/2/13	11:15	S												

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
☐ Lab to do
(Please specify below)

Sample Specific Comments

CAT. B. DELIVERABLES

Container Type EPA A A A

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Ja NY

12/3/13 15:50

12/3/13 17:00

12/3/13 15:50

12/3/13 17:00

12/3/13 23:59

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.

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

PAGE 2 OF 2

Date Rec'd in Lab: 2/3/13

ALPHA Job #: L1324515

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY SUITE 1601
NY, NY

Phone: 212. 440. 6715

Fax:

Email: SMCTAUB@INTEGRAL-CORP.COM
ACARROLL@ " " "

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: 514-520 W 28TH STREET

Project Location: 514. 520 W 28TH ST, NY, NY

Project #: E040

Project Manager: ALANA CARROLL

ALPHA Quote #:

Turn-Around Time

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

Date Due: 12/10/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Billing Information

☐ Same as Client info PO #:

SAMPLE HANDLING

Filtration_____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

[illegible]

Container Type	F	P	V	A	A	P	A	A

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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.

UST Endpoint Sampling Reports



ANALYTICAL REPORT

Lab Number:	L1413529
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/26/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1413529
Report Date: 06/26/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1413529-01	1A-UST-BOT	520 W 28TH ST., NYC	06/19/14 09:00
L1413529-02	TRIP BLANK 6-19-14	520 W 28TH ST., NYC	06/19/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1413529
Report Date: 06/26/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1413529
Report Date: 06/26/14

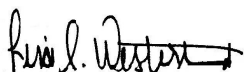
Case Narrative (continued)

Report Submission

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

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 06/26/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-01
Client ID: 1A-UST-BOT
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/23/14 13:45
Analyst: BN
Percent Solids: 86%

Date Collected: 06/19/14 09:00
Date Received: 06/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	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	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-01

Date Collected: 06/19/14 09:00

Client ID: 1A-UST-BOT

Date Received: 06/19/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylene (Total)	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.4	0.30	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	0.16	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	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.14	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-01

Date Collected: 06/19/14 09:00

Client ID: 1A-UST-BOT

Date Received: 06/19/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.17	1
4-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-02
Client ID: TRIP BLANK 6-19-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/26/14 13:38
Analyst: PD

Date Collected: 06/19/14 00:00
Date Received: 06/19/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-02
 Client ID: TRIP BLANK 6-19-14
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/19/14 00:00
 Date Received: 06/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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	0.95	J	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-02

Date Collected: 06/19/14 00:00

Client ID: TRIP BLANK 6-19-14

Date Received: 06/19/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	88		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	90		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/23/14 08:53
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG700039-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	0.39	J	ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/23/14 08:53
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG700039-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
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	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/23/14 08:53
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG700039-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/23/14 08:53

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG700039-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/26/14 10:11
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG701177-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/26/14 10:11
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG701177-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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
Acrolein	ND		ug/l	5.0	0.63
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/26/14 10:11
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG701177-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/26/14 10:11

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG701177-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG700039-1 WG700039-2								
Methylene chloride	107		110		70-130	3		30
1,1-Dichloroethane	106		110		70-130	4		30
Chloroform	105		107		70-130	2		30
Carbon tetrachloride	112		120		70-130	7		30
1,2-Dichloropropane	106		108		70-130	2		30
Dibromochloromethane	95		97		70-130	2		30
2-Chloroethylvinyl ether	106		108		70-130	2		30
1,1,2-Trichloroethane	98		99		70-130	1		30
Tetrachloroethene	101		106		70-130	5		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	137		147	Q	70-139	7		30
1,2-Dichloroethane	104		105		70-130	1		30
1,1,1-Trichloroethane	110		114		70-130	4		30
Bromodichloromethane	104		107		70-130	3		30
trans-1,3-Dichloropropene	97		98		70-130	1		30
cis-1,3-Dichloropropene	107		109		70-130	2		30
1,1-Dichloropropene	110		116		70-130	5		30
Bromoform	91		91		70-130	0		30
1,1,2,2-Tetrachloroethane	92		91		70-130	1		30
Benzene	106		110		70-130	4		30
Toluene	96		98		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG700039-1 WG700039-2								
Ethylbenzene	99		103		70-130	4		30
Chloromethane	108		114		52-130	5		30
Bromomethane	141		148	Q	57-147	5		30
Vinyl chloride	119		122		67-130	2		30
Chloroethane	114		117		50-151	3		30
1,1-Dichloroethene	114		115		65-135	1		30
trans-1,2-Dichloroethene	107		111		70-130	4		30
Trichloroethene	108		111		70-130	3		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		96		70-130	2		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	104		105		66-130	1		30
p/m-Xylene	101		104		70-130	3		30
o-Xylene	102		104		70-130	2		30
cis-1,2-Dichloroethene	106		110		70-130	4		30
Dibromomethane	107		107		70-130	0		30
Styrene	102		106		70-130	4		30
Dichlorodifluoromethane	114		118		30-146	3		30
Acetone	105		109		54-140	4		30
Carbon disulfide	105		110		59-130	5		30
2-Butanone	97		101		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG700039-1 WG700039-2								
Vinyl acetate	102		103		70-130	1		30
4-Methyl-2-pentanone	104		104		70-130	0		30
1,2,3-Trichloropropane	93		91		68-130	2		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	110		111		70-130	1		30
2,2-Dichloropropane	109		114		70-130	4		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	97		98		70-130	1		30
Bromobenzene	95		95		70-130	0		30
n-Butylbenzene	96		99		70-130	3		30
sec-Butylbenzene	97		100		70-130	3		30
tert-Butylbenzene	95		98		70-130	3		30
o-Chlorotoluene	93		102		70-130	9		30
p-Chlorotoluene	93		95		70-130	2		30
1,2-Dibromo-3-chloropropane	86		88		68-130	2		30
Hexachlorobutadiene	93		98		67-130	5		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	97		99		70-130	2		30
Naphthalene	90		91		70-130	1		30
Acrylonitrile	107		107		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG700039-1 WG700039-2								
Isopropyl Ether	104		107		66-130	3		30
tert-Butyl Alcohol	102		99		70-130	3		30
n-Propylbenzene	98		99		70-130	1		30
1,2,3-Trichlorobenzene	91		93		70-130	2		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	96		96		70-130	0		30
1,2,4-Trimethylbenzene	94		96		70-130	2		30
Methyl Acetate	98		94		51-146	4		30
Ethyl Acetate	101		101		70-130	0		30
Acrolein	102		98		70-130	4		30
Cyclohexane	116		123		59-142	6		30
1,4-Dioxane	96		104		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	118		125		50-139	6		30
1,4-Diethylbenzene	95		98		70-130	3		30
4-Ethyltoluene	97		97		70-130	0		30
1,2,4,5-Tetramethylbenzene	93		96		70-130	3		30
Tetrahydrofuran	105		103		66-130	2		30
Ethyl ether	102		99		67-130	3		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	115		121		70-130	5		30
Ethyl-Tert-Butyl-Ether	105		107		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG700039-1 WG700039-2								
Tertiary-Amyl Methyl Ether	104		105		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	98		94		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

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: WG701177-1 WG701177-2								
Methylene chloride	93		86		70-130	8		20
1,1-Dichloroethane	86		82		70-130	5		20
Chloroform	91		79		70-130	14		20
2-Chloroethylvinyl ether	64	Q	58	Q	70-130	10		20
Carbon tetrachloride	84		74		63-132	13		20
1,2-Dichloropropane	101		86		70-130	16		20
Dibromochloromethane	84		72		63-130	15		20
1,1,2-Trichloroethane	90		79		70-130	13		20
Tetrachloroethene	95		82		70-130	15		20
Chlorobenzene	99		85		75-130	15		20
Trichlorofluoromethane	102		86		62-150	17		20
1,2-Dichloroethane	82		72		70-130	13		20
1,1,1-Trichloroethane	87		76		67-130	13		20
Bromodichloromethane	86		74		67-130	15		20
trans-1,3-Dichloropropene	93		78		70-130	18		20
cis-1,3-Dichloropropene	97		80		70-130	19		20
1,1-Dichloropropene	96		85		70-130	12		20
Bromoform	78		69		54-136	12		20
1,1,2,2-Tetrachloroethane	94		85		67-130	10		20
Benzene	97		86		70-130	12		20
Toluene	105		89		70-130	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

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: WG701177-1 WG701177-2								
Ethylbenzene	100		86		70-130	15		20
Chloromethane	106		83		64-130	24	Q	20
Bromomethane	79		73		39-139	8		20
Vinyl chloride	108		93		55-140	15		20
Chloroethane	128		105		55-138	20		20
1,1-Dichloroethene	95		89		61-145	7		20
trans-1,2-Dichloroethene	87		79		70-130	10		20
Trichloroethene	95		81		70-130	16		20
1,2-Dichlorobenzene	98		85		70-130	14		20
1,3-Dichlorobenzene	103		89		70-130	15		20
1,4-Dichlorobenzene	100		87		70-130	14		20
Methyl tert butyl ether	72		66		63-130	9		20
p/m-Xylene	102		85		70-130	18		20
o-Xylene	102		86		70-130	17		20
cis-1,2-Dichloroethene	93		78		70-130	18		20
Dibromomethane	83		71		70-130	16		20
1,2,3-Trichloropropane	92		78		64-130	16		20
Acrylonitrile	73		72		70-130	1		20
Diisopropyl Ether	83		82		70-130	1		20
Tert-Butyl Alcohol	74		72		70-130	3		20
Styrene	99		83		70-130	18		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

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: WG701177-1 WG701177-2								
Dichlorodifluoromethane	107		92		36-147	15		20
Acetone	72		63		58-148	13		20
Carbon disulfide	90		83		51-130	8		20
2-Butanone	67		56	Q	63-138	18		20
Vinyl acetate	71		71		70-130	0		20
4-Methyl-2-pentanone	78		69		59-130	12		20
2-Hexanone	81		74		57-130	9		20
Acrolein	97		84		40-160	14		20
Bromochloromethane	90		77		70-130	16		20
2,2-Dichloropropane	95		84		63-133	12		20
1,2-Dibromoethane	88		76		70-130	15		20
1,3-Dichloropropane	98		79		70-130	21	Q	20
1,1,1,2-Tetrachloroethane	93		80		64-130	15		20
Bromobenzene	100		87		70-130	14		20
n-Butylbenzene	114		94		53-136	19		20
sec-Butylbenzene	114		99		70-130	14		20
tert-Butylbenzene	110		96		70-130	14		20
o-Chlorotoluene	111		95		70-130	16		20
p-Chlorotoluene	110		95		70-130	15		20
1,2-Dibromo-3-chloropropane	70		63		41-144	11		20
Hexachlorobutadiene	100		86		63-130	15		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

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: WG701177-1 WG701177-2								
Isopropylbenzene	101		87		70-130	15		20
p-Isopropyltoluene	111		97		70-130	13		20
Naphthalene	80		72		70-130	11		20
n-Propylbenzene	111		98		69-130	12		20
1,2,3-Trichlorobenzene	86		77		70-130	11		20
1,2,4-Trichlorobenzene	94		80		70-130	16		20
1,3,5-Trimethylbenzene	109		94		64-130	15		20
1,2,4-Trimethylbenzene	111		93		70-130	18		20
Methyl Acetate	70		63	Q	70-130	11		20
Ethyl Acetate	80		69	Q	70-130	15		20
Cyclohexane	106		95		70-130	11		20
Ethyl-Tert-Butyl-Ether	82		75		70-130	9		20
Tertiary-Amyl Methyl Ether	83		73		66-130	13		20
1,4-Dioxane	81		66		56-162	20		20
Freon-113	101		90		70-130	12		20
p-Diethylbenzene	112		90		70-130	22	Q	20
p-Ethyltoluene	111		98		70-130	12		20
1,2,4,5-Tetramethylbenzene	110		93		70-130	17		20
Ethyl ether	107		87		59-134	21	Q	20
trans-1,4-Dichloro-2-butene	86		73		70-130	16		20
Methyl cyclohexane	101		87		70-130	15		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

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: WG701177-1 WG701177-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	107		105		70-130
4-Bromofluorobenzene	110		111		70-130
Dibromofluoromethane	90		90		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-01
Client ID: 1A-UST-BOT
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/24/14 02:05
Analyst: PS
Percent Solids: 86%

Date Collected: 06/19/14 09:00
Date Received: 06/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/21/14 18:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-01

Date Collected: 06/19/14 09:00

Client ID: 1A-UST-BOT

Date Received: 06/19/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	36.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1413529**Project Number:** E040**Report Date:** 06/26/14**SAMPLE RESULTS**

Lab ID: L1413529-01

Date Collected: 06/19/14 09:00

Client ID: 1A-UST-BOT

Date Received: 06/19/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	66		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/23/14 19:13
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/21/14 18:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG699892-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/23/14 19:13
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/21/14 18:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG699892-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1413529

Project Number: E040

Report Date: 06/26/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/23/14 19:13
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/21/14 18:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG699892-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	66		0-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG699892-2 WG699892-3								
Acenaphthene	69		72		31-137	4		50
1,2,4-Trichlorobenzene	63		65		38-107	3		50
Hexachlorobenzene	76		79		40-140	4		50
Bis(2-chloroethyl)ether	58		62		40-140	7		50
2-Chloronaphthalene	64		67		40-140	5		50
1,2-Dichlorobenzene	60		63		40-140	5		50
1,3-Dichlorobenzene	60		60		40-140	0		50
1,4-Dichlorobenzene	59		61		28-104	3		50
3,3'-Dichlorobenzidine	62		62		40-140	0		50
2,4-Dinitrotoluene	76		80		28-89	5		50
2,6-Dinitrotoluene	72		75		40-140	4		50
Fluoranthene	76		78		40-140	3		50
4-Chlorophenyl phenyl ether	71		76		40-140	7		50
4-Bromophenyl phenyl ether	73		78		40-140	7		50
Bis(2-chloroisopropyl)ether	57		60		40-140	5		50
Bis(2-chloroethoxy)methane	59		63		40-117	7		50
Hexachlorobutadiene	63		64		40-140	2		50
Hexachlorocyclopentadiene	64		67		40-140	5		50
Hexachloroethane	58		62		40-140	7		50
Isophorone	60		63		40-140	5		50
Naphthalene	62		64		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG699892-2 WG699892-3								
Nitrobenzene	60		62		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	75		76			1		50
n-Nitrosodi-n-propylamine	56		60		32-121	7		50
Bis(2-Ethylhexyl)phthalate	75		78		40-140	4		50
Butyl benzyl phthalate	73		76		40-140	4		50
Di-n-butylphthalate	75		76		40-140	1		50
Di-n-octylphthalate	75		79		40-140	5		50
Diethyl phthalate	72		76		40-140	5		50
Dimethyl phthalate	73		78		40-140	7		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	74		80		40-140	8		50
Benzo(b)fluoranthene	72		80		40-140	11		50
Benzo(k)fluoranthene	77		82		40-140	6		50
Chrysene	77		82		40-140	6		50
Acenaphthylene	69		71		40-140	3		50
Anthracene	79		83		40-140	5		50
Benzo(ghi)perylene	68		78		40-140	14		50
Fluorene	73		77		40-140	5		50
Phenanthrene	76		82		40-140	8		50
Dibenzo(a,h)anthracene	68		76		40-140	11		50
Indeno(1,2,3-cd)Pyrene	68		78		40-140	14		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG699892-2 WG699892-3								
Pyrene	74		78		35-142	5		50
Biphenyl	64		67			5		50
4-Chloroaniline	56		56		40-140	0		50
2-Nitroaniline	71		73		47-134	3		50
3-Nitroaniline	61		62		26-129	2		50
4-Nitroaniline	66		73		41-125	10		50
Dibenzofuran	71		74		40-140	4		50
2-Methylnaphthalene	62		64		40-140	3		50
1,2,4,5-Tetrachlorobenzene	64		67		40-117	5		50
Acetophenone	60		62		14-144	3		50
2,4,6-Trichlorophenol	72		72		30-130	0		50
P-Chloro-M-Cresol	72		76		26-103	5		50
2-Chlorophenol	64		67		25-102	5		50
2,4-Dichlorophenol	73		72		30-130	1		50
2,4-Dimethylphenol	64		68		30-130	6		50
2-Nitrophenol	64		68		30-130	6		50
4-Nitrophenol	81		85		11-114	5		50
2,4-Dinitrophenol	70		78		4-130	11		50
4,6-Dinitro-o-cresol	74		80		10-130	8		50
Pentachlorophenol	84		88		17-109	5		50
Phenol	60		64		26-90	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1413529

Report Date: 06/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG699892-2 WG699892-3								
2-Methylphenol	65		67		30-130.	3		50
3-Methylphenol/4-Methylphenol	64		67		30-130	5		50
2,4,5-Trichlorophenol	77		76		30-130	1		50
Benzoic Acid	42		53			23		50
Benzyl Alcohol	62		66		40-140	6		50
Carbazole	76		79		54-128	4		50
Benzaldehyde	59		62			5		50
Caprolactam	65		70			7		50
Atrazine	81		80			1		50
2,3,4,6-Tetrachlorophenol	80		84			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		66		25-120
Phenol-d6	67		68		10-120
Nitrobenzene-d5	59		60		23-120
2-Fluorobiphenyl	65		65		30-120
2,4,6-Tribromophenol	84		86		0-136
4-Terphenyl-d14	79		78		18-120

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1413529
Report Date: 06/26/14

SAMPLE RESULTS

Lab ID: L1413529-01
Client ID: 1A-UST-BOT
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil

Date Collected: 06/19/14 09:00
Date Received: 06/19/14
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	86.3		%	0.100	NA	1	-	06/20/14 23:57	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1413529**Report Date:** 06/26/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG699756-1 QC Sample: L1413529-01 Client ID: 1A-UST-BOT						
Solids, Total	86.3	86.9	%	1		20

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1413529**Report Date:** 06/26/14**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 06/20/2014 02:00**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1413529-01A	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1413529-01B	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1413529-01C	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1413529-01D	Plastic 2oz unpreserved for TS	A	N/A	3.3	Y	Absent	TS(7)
L1413529-01E	Amber 120ml unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14)
L1413529-01X	Vial MeOH preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1413529-01Y	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1413529-01Z	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1413529-02A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1413529-02B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1413529
Report Date: 06/26/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1413529
Report Date: 06/26/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1413529
Report Date: 06/26/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1412267
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/13/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412267
Report Date: 06/13/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1412267-01	3A-WO-TANK-EP	520 W. 28TH ST., NYC	06/05/14 11:50
L1412267-02	TRIP BLANK 6-5-14	520 W. 28TH ST., NYC	06/05/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412267
Report Date: 06/13/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412267
Report Date: 06/13/14

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.

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: 06/13/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-01
Client ID: 3A-WO-TANK-EP
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/14 14:10
Analyst: BN
Percent Solids: 85%

Date Collected: 06/05/14 11:50
Date Received: 06/05/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	600	66.	1
1,1-Dichloroethane	ND		ug/kg	90	5.1	1
Chloroform	ND		ug/kg	90	22.	1
Carbon tetrachloride	ND		ug/kg	60	13.	1
1,2-Dichloropropane	ND		ug/kg	210	14.	1
Dibromochloromethane	ND		ug/kg	60	18.	1
1,1,2-Trichloroethane	ND		ug/kg	90	18.	1
Tetrachloroethene	ND		ug/kg	60	8.4	1
Chlorobenzene	ND		ug/kg	60	21.	1
Trichlorofluoromethane	ND		ug/kg	300	23.	1
1,2-Dichloroethane	ND		ug/kg	60	6.8	1
1,1,1-Trichloroethane	ND		ug/kg	60	6.6	1
Bromodichloromethane	ND		ug/kg	60	10.	1
trans-1,3-Dichloropropene	ND		ug/kg	60	7.2	1
cis-1,3-Dichloropropene	ND		ug/kg	60	7.1	1
1,3-Dichloropropene, Total	ND		ug/kg	60	7.1	1
1,1-Dichloropropene	ND		ug/kg	300	8.5	1
Bromoform	ND		ug/kg	240	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	60	6.0	1
Benzene	ND		ug/kg	60	7.1	1
Toluene	220		ug/kg	90	12.	1
Ethylbenzene	250		ug/kg	60	7.6	1
Chloromethane	ND		ug/kg	300	18.	1
Bromomethane	ND		ug/kg	120	20.	1
Vinyl chloride	ND		ug/kg	120	7.0	1
Chloroethane	ND		ug/kg	120	19.	1
1,1-Dichloroethene	ND		ug/kg	60	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	90	13.	1
Trichloroethene	ND		ug/kg	60	7.5	1
1,2-Dichlorobenzene	ND		ug/kg	300	9.2	1
1,3-Dichlorobenzene	ND		ug/kg	300	8.1	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-01

Date Collected: 06/05/14 11:50

Client ID: 3A-WO-TANK-EP

Date Received: 06/05/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	300	8.3	1
Methyl tert butyl ether	ND		ug/kg	120	5.1	1
p/m-Xylene	3200		ug/kg	120	12.	1
o-Xylene	1700		ug/kg	120	10.	1
Xylene (Total)	4900		ug/kg	120	10.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	8.6	1
1,2-Dichloroethene (total)	ND		ug/kg	60	8.6	1
Dibromomethane	ND		ug/kg	600	9.8	1
Styrene	ND		ug/kg	120	18.	1
Dichlorodifluoromethane	ND		ug/kg	600	11.	1
Acetone	ND		ug/kg	600	62.	1
Carbon disulfide	ND		ug/kg	600	66.	1
2-Butanone	ND		ug/kg	600	16.	1
Vinyl acetate	ND		ug/kg	600	7.9	1
4-Methyl-2-pentanone	ND		ug/kg	600	15.	1
1,2,3-Trichloropropane	ND		ug/kg	600	9.8	1
2-Hexanone	ND		ug/kg	600	40.	1
Bromochloromethane	ND		ug/kg	300	16.	1
2,2-Dichloropropane	ND		ug/kg	300	14.	1
1,2-Dibromoethane	ND		ug/kg	240	10.	1
1,3-Dichloropropane	ND		ug/kg	300	8.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	60	19.	1
Bromobenzene	ND		ug/kg	300	12.	1
n-Butylbenzene	600		ug/kg	60	6.9	1
sec-Butylbenzene	140		ug/kg	60	7.3	1
tert-Butylbenzene	ND		ug/kg	300	8.1	1
o-Chlorotoluene	ND		ug/kg	300	9.6	1
p-Chlorotoluene	ND		ug/kg	300	9.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	24.	1
Hexachlorobutadiene	ND		ug/kg	300	14.	1
Isopropylbenzene	110		ug/kg	60	6.2	1
p-Isopropyltoluene	110		ug/kg	60	7.5	1
Naphthalene	3300		ug/kg	300	8.3	1
Acrylonitrile	ND		ug/kg	600	31.	1
n-Propylbenzene	370		ug/kg	60	6.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	300	8.9	1
1,2,4-Trichlorobenzene	ND		ug/kg	300	11.	1
1,3,5-Trimethylbenzene	2200		ug/kg	300	8.6	1
1,2,4-Trimethylbenzene	7800		ug/kg	300	8.5	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-01

Date Collected: 06/05/14 11:50

Client ID: 3A-WO-TANK-EP

Date Received: 06/05/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	6000	860	1
1,4-Diethylbenzene	5400		ug/kg	240	9.6	1
4-Ethyltoluene	4500		ug/kg	240	7.4	1
1,2,4,5-Tetramethylbenzene	2100		ug/kg	240	7.8	1
Ethyl ether	ND		ug/kg	300	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-02
Client ID: TRIP BLANK 6-5-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/10/14 18:45
Analyst: PD

Date Collected: 06/05/14 00:00
Date Received: 06/05/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-02

Date Collected: 06/05/14 00:00

Client ID: TRIP BLANK 6-5-14

Date Received: 06/05/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-02

Date Collected: 06/05/14 00:00

Client ID: TRIP BLANK 6-5-14

Date Received: 06/05/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	113		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/10/14 10:36

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/14 08:27
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697665-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/14 08:27
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697665-3					
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
Xylene (Total)	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene (total)	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/12/14 08:27

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697665-3					
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Ethyl Acetate	ND		ug/kg	1000	46.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	50.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	5.8
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	4.8

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/12/14 08:27

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697665-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
Methylene chloride	111		109		70-130	2		20
1,1-Dichloroethane	114		112		70-130	2		20
Chloroform	111		111		70-130	0		20
2-Chloroethylvinyl ether	92		85		70-130	8		20
Carbon tetrachloride	104		108		63-132	4		20
1,2-Dichloropropane	113		110		70-130	3		20
Dibromochloromethane	102		101		63-130	1		20
1,1,2-Trichloroethane	117		111		70-130	5		20
Tetrachloroethene	104		108		70-130	4		20
Chlorobenzene	109		109		75-130	0		20
Trichlorofluoromethane	95		92		62-150	3		20
1,2-Dichloroethane	118		114		70-130	3		20
1,1,1-Trichloroethane	101		106		67-130	5		20
Bromodichloromethane	116		111		67-130	4		20
trans-1,3-Dichloropropene	109		105		70-130	4		20
cis-1,3-Dichloropropene	103		102		70-130	1		20
1,1-Dichloropropene	101		108		70-130	7		20
Bromoform	88		85		54-136	3		20
1,1,2,2-Tetrachloroethane	101		98		67-130	3		20
Benzene	106		110		70-130	4		20
Toluene	105		108		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
Ethylbenzene	113		111		70-130	2		20
Chloromethane	110		103		64-130	7		20
Bromomethane	77		82		39-139	6		20
Vinyl chloride	121		125		55-140	3		20
Chloroethane	106		102		55-138	4		20
1,1-Dichloroethene	99		95		61-145	4		20
trans-1,2-Dichloroethene	107		107		70-130	0		20
Trichloroethene	107		107		70-130	0		20
1,2-Dichlorobenzene	106		103		70-130	3		20
1,3-Dichlorobenzene	104		104		70-130	0		20
1,4-Dichlorobenzene	104		105		70-130	1		20
Methyl tert butyl ether	98		98		63-130	0		20
p/m-Xylene	121		119		70-130	2		20
o-Xylene	119		121		70-130	2		20
cis-1,2-Dichloroethene	110		109		70-130	1		20
Dibromomethane	125		117		70-130	7		20
1,2,3-Trichloropropane	98		98		64-130	0		20
Acrylonitrile	112		97		70-130	14		20
Diisopropyl Ether	107		105		70-130	2		20
Tert-Butyl Alcohol	89		85		70-130	5		20
Styrene	124		123		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
Dichlorodifluoromethane	82		73		36-147	12		20
Acetone	109		88		58-148	21	Q	20
Carbon disulfide	102		96		51-130	6		20
2-Butanone	130		112		63-138	15		20
Vinyl acetate	123		109		70-130	12		20
4-Methyl-2-pentanone	104		94		59-130	10		20
2-Hexanone	98		90		57-130	9		20
Bromochloromethane	95		99		70-130	4		20
2,2-Dichloropropane	106		105		63-133	1		20
1,2-Dibromoethane	107		104		70-130	3		20
1,3-Dichloropropane	114		106		70-130	7		20
1,1,1,2-Tetrachloroethane	113		110		64-130	3		20
Bromobenzene	99		101		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	103		106		70-130	3		20
tert-Butylbenzene	100		103		70-130	3		20
o-Chlorotoluene	106		109		70-130	3		20
p-Chlorotoluene	102		106		70-130	4		20
1,2-Dibromo-3-chloropropane	94		88		41-144	7		20
Hexachlorobutadiene	98		96		63-130	2		20
Isopropylbenzene	96		101		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
p-Isopropyltoluene	105		107		70-130	2		20
Naphthalene	98		86		70-130	13		20
n-Propylbenzene	102		106		69-130	4		20
1,2,3-Trichlorobenzene	98		88		70-130	11		20
1,2,4-Trichlorobenzene	96		90		70-130	6		20
1,3,5-Trimethylbenzene	107		108		64-130	1		20
1,2,4-Trimethylbenzene	105		106		70-130	1		20
Methyl Acetate	120		110		70-130	9		20
Ethyl Acetate	116		103		70-130	12		20
Cyclohexane	100		108		70-130	8		20
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		20
Tertiary-Amyl Methyl Ether	98		99		66-130	1		20
1,4-Dioxane	91		98		56-162	7		20
Freon-113	111		110		70-130	1		20
p-Diethylbenzene	109		110		70-130	1		20
p-Ethyltoluene	104		105		70-130	1		20
1,2,4,5-Tetramethylbenzene	103		103		70-130	0		20
Ethyl ether	108		100		59-134	8		20
trans-1,4-Dichloro-2-butene	87		88		70-130	1		20
Methyl cyclohexane	104		106		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

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: WG696610-1 WG696610-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	97		101		70-130
4-Bromofluorobenzene	90		96		70-130
Dibromofluoromethane	104		108		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697665-1 WG697665-2								
Methylene chloride	103		100		70-130	3		30
1,1-Dichloroethane	105		101		70-130	4		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	81		77		70-130	5		30
1,2-Dichloropropane	104		100		70-130	4		30
Dibromochloromethane	94		92		70-130	2		30
1,1,2-Trichloroethane	101		103		70-130	2		30
Tetrachloroethene	85		83		70-130	2		30
Chlorobenzene	94		91		70-130	3		30
Trichlorofluoromethane	74		72		70-139	3		30
1,2-Dichloroethane	99		96		70-130	3		30
1,1,1-Trichloroethane	88		85		70-130	3		30
Bromodichloromethane	96		92		70-130	4		30
trans-1,3-Dichloropropene	102		101		70-130	1		30
cis-1,3-Dichloropropene	94		91		70-130	3		30
1,1-Dichloropropene	88		86		70-130	2		30
Bromoform	92		92		70-130	0		30
1,1,2,2-Tetrachloroethane	104		106		70-130	2		30
Benzene	95		93		70-130	2		30
Toluene	92		90		70-130	2		30
Ethylbenzene	92		90		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697665-1 WG697665-2								
Chloromethane	104		102		52-130	2		30
Bromomethane	101		94		57-147	7		30
Vinyl chloride	88		85		67-130	3		30
Chloroethane	99		97		50-151	2		30
1,1-Dichloroethene	86		85		65-135	1		30
trans-1,2-Dichloroethene	92		89		70-130	3		30
Trichloroethene	90		86		70-130	5		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	96		95		70-130	1		30
Methyl tert butyl ether	89		87		66-130	2		30
p/m-Xylene	91		89		70-130	2		30
o-Xylene	89		87		70-130	2		30
cis-1,2-Dichloroethene	94		91		70-130	3		30
Dibromomethane	95		93		70-130	2		30
Styrene	89		86		70-130	3		30
Dichlorodifluoromethane	63		60		30-146	5		30
Acetone	123		128		54-140	4		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	106		109		70-130	3		30
Vinyl acetate	108		105		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697665-1 WG697665-2								
4-Methyl-2-pentanone	91		94		70-130	3		30
1,2,3-Trichloropropane	107		107		68-130	0		30
2-Hexanone	100		103		70-130	3		30
Bromochloromethane	90		89		70-130	1		30
2,2-Dichloropropane	95		93		70-130	2		30
1,2-Dibromoethane	96		96		70-130	0		30
1,3-Dichloropropane	100		100		69-130	0		30
1,1,1,2-Tetrachloroethane	93		90		70-130	3		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	91		90		70-130	1		30
tert-Butylbenzene	90		89		70-130	1		30
o-Chlorotoluene	103		92		70-130	11		30
p-Chlorotoluene	101		99		70-130	2		30
1,2-Dibromo-3-chloropropane	91		92		68-130	1		30
Hexachlorobutadiene	86		84		67-130	2		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	91		90		70-130	1		30
Naphthalene	98		100		70-130	2		30
Acrylonitrile	108		108		70-130	0		30
Isopropyl Ether	113		111		66-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697665-1 WG697665-2								
tert-Butyl Alcohol	97		104		70-130	7		30
n-Propylbenzene	96		95		70-130	1		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	99		99		70-130	0		30
1,3,5-Trimethylbenzene	97		95		70-130	2		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30
Methyl Acetate	122		122		51-146	0		30
Ethyl Acetate	112		112		70-130	0		30
Acrolein	134	Q	134	Q	70-130	0		30
Cyclohexane	87		86		59-142	1		30
1,4-Dioxane	85		88		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	86		84		50-139	2		30
1,4-Diethylbenzene	92		90		70-130	2		30
4-Ethyltoluene	96		95		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		91		70-130	2		30
Tetrahydrofuran	107		109		66-130	2		30
Ethyl ether	86		85		67-130	1		30
trans-1,4-Dichloro-2-butene	110		111		70-130	1		30
Methyl cyclohexane	81		79		70-130	3		30
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		30
Tertiary-Amyl Methyl Ether	95		93		70-130	2		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697665-1 WG697665-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	103		108		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-01
Client ID: 3A-WO-TANK-EP
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/14 12:51
Analyst: JB
Percent Solids: 85%

Date Collected: 06/05/14 11:50
Date Received: 06/05/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/14 16:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	310		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	5400		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	1300		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	2400		ug/kg	110	37.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-01

Date Collected: 06/05/14 11:50

Client ID: 3A-WO-TANK-EP

Date Received: 06/05/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2000		ug/kg	150	47.	1
Benzo(b)fluoranthene	2500		ug/kg	110	39.	1
Benzo(k)fluoranthene	980		ug/kg	110	36.	1
Chrysene	2500		ug/kg	110	38.	1
Acenaphthylene	420		ug/kg	150	36.	1
Anthracene	990		ug/kg	110	32.	1
Benzo(ghi)perylene	1200		ug/kg	150	40.	1
Fluorene	500		ug/kg	190	55.	1
Phenanthrene	5300		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	360		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	1400		ug/kg	150	42.	1
Pyrene	4300		ug/kg	110	37.	1
Biphenyl	89	J	ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	450		ug/kg	190	64.	1
2-Methylnaphthalene	1100		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	81	J	ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	480		ug/kg	190	41.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412267-01

Date Collected: 06/05/14 11:50

Client ID: 3A-WO-TANK-EP

Date Received: 06/05/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	26		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	46		0-136
4-Terphenyl-d14	84		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:39
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:39
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412267

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:39
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412267**Project Number:** E040**Report Date:** 06/13/14**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D
Analytical Date: 06/11/14 17:39
Analyst: JBExtraction Method: EPA 3546
Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
Acenaphthene	92		93		31-137	1		50
Benzidine	24		31			25		50
n-Nitrosodimethylamine	78		84			7		50
1,2,4-Trichlorobenzene	83		89		38-107	7		50
Hexachlorobenzene	103		103		40-140	0		50
Bis(2-chloroethyl)ether	78		83		40-140	6		50
2-Chloronaphthalene	86		89		40-140	3		50
1,2-Dichlorobenzene	81		84		40-140	4		50
1,3-Dichlorobenzene	80		83		40-140	4		50
1,4-Dichlorobenzene	79		86		28-104	8		50
3,3'-Dichlorobenzidine	69		66		40-140	4		50
2,4-Dinitrotoluene	95	Q	99	Q	28-89	4		50
2,6-Dinitrotoluene	93		95		40-140	2		50
Fluoranthene	98		98		40-140	0		50
4-Chlorophenyl phenyl ether	94		95		40-140	1		50
4-Bromophenyl phenyl ether	96		99		40-140	3		50
Azobenzene	84		89		40-140	6		50
Bis(2-chloroisopropyl)ether	72		78		40-140	8		50
Bis(2-chloroethoxy)methane	79		83		40-117	5		50
Hexachlorobutadiene	83		87		40-140	5		50
Hexachlorocyclopentadiene	78		82		40-140	5		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
Hexachloroethane	76		82		40-140	8		50
Isophorone	79		82		40-140	4		50
Naphthalene	82		88		40-140	7		50
Nitrobenzene	79		86		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	97		101			4		50
n-Nitrosodi-n-propylamine	78		80		32-121	3		50
Bis(2-Ethylhexyl)phthalate	88		91		40-140	3		50
Butyl benzyl phthalate	89		95		40-140	7		50
Di-n-butylphthalate	92		95		40-140	3		50
Di-n-octylphthalate	86		91		40-140	6		50
Diethyl phthalate	91		94		40-140	3		50
Dimethyl phthalate	95		94		40-140	1		50
Benzo(a)anthracene	95		98		40-140	3		50
Benzo(a)pyrene	96		97		40-140	1		50
Benzo(b)fluoranthene	94		96		40-140	2		50
Benzo(k)fluoranthene	97		100		40-140	3		50
Chrysene	96		99		40-140	3		50
Acenaphthylene	89		93		40-140	4		50
Anthracene	102		103		40-140	1		50
Benzo(ghi)perylene	90		90		40-140	0		50
Fluorene	95		98		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
Phenanthrene	97		102		40-140	5		50
Dibenzo(a,h)anthracene	89		90		40-140	1		50
Indeno(1,2,3-cd)Pyrene	87		89		40-140	2		50
Pyrene	97		99		35-142	2		50
Biphenyl	85		88			3		50
Aniline	52		55		40-140	6		50
4-Chloroaniline	59		54		40-140	9		50
2-Nitroaniline	92		95		47-134	3		50
3-Nitroaniline	73		70		26-129	4		50
4-Nitroaniline	88		90		41-125	2		50
Dibenzofuran	92		95		40-140	3		50
2-Methylnaphthalene	84		86		40-140	2		50
1,2,4,5-Tetrachlorobenzene	88		89		40-117	1		50
Acetophenone	81		83		14-144	2		50
2,4,6-Trichlorophenol	93		98		30-130	5		50
P-Chloro-M-Cresol	95		98		26-103	3		50
2-Chlorophenol	82		90		25-102	9		50
2,4-Dichlorophenol	95		95		30-130	0		50
2,4-Dimethylphenol	89		88		30-130	1		50
2-Nitrophenol	86		87		30-130	1		50
4-Nitrophenol	96		100		11-114	4		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
2,4-Dinitrophenol	88		92		4-130	4		50
4,6-Dinitro-o-cresol	98		102		10-130	4		50
Pentachlorophenol	112	Q	119	Q	17-109	6		50
Phenol	84		90		26-90	7		50
2-Methylphenol	86		88		30-130.	2		50
3-Methylphenol/4-Methylphenol	89		89		30-130	0		50
2,4,5-Trichlorophenol	96		101		30-130	5		50
Benzoic Acid	45		52			14		50
Benzyl Alcohol	82		86		40-140	5		50
Carbazole	98		99		54-128	1		50
Benzaldehyde	81		80			1		50
Caprolactam	77		88			13		50
Atrazine	98		100			2		50
2,3,4,6-Tetrachlorophenol	102		102			0		50
Pyridine	50		70		10-93	33		50
Parathion, ethyl	93		97		40-140	4		50
1-Methylnaphthalene	80		84		26-130	5		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412267

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		88		25-120
Phenol-d6	88		90		10-120
Nitrobenzene-d5	80		83		23-120
2-Fluorobiphenyl	87		91		30-120
2,4,6-Tribromophenol	110		109		0-136
4-Terphenyl-d14	98		101		18-120

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412267
Report Date: 06/13/14

SAMPLE RESULTS

Lab ID: L1412267-01
Client ID: 3A-WO-TANK-EP
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil

Date Collected: 06/05/14 11:50
Date Received: 06/05/14
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	85.3		%	0.100	NA	1	-	06/06/14 20:39	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1412267
Report Date: 06/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG695867-1 QC Sample: L1412318-01 Client ID: DUP Sample						
Solids, Total	98.3	99.8	%	2		20

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412267**Report Date:** 06/13/14**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 06/06/2014 07:13**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1412267-01A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1412267-01B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1412267-01C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1412267-01D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1412267-01E	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8270(14)
L1412267-01X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1412267-01Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1412267-01Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1412267-02A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1412267-02B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412267
Report Date: 06/13/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412267
Report Date: 06/13/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412267
Report Date: 06/13/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1405621
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	W28TH ST.
Project Number:	E040
Report Date:	03/25/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: W28TH ST.
Project Number: E040

Lab Number: L1405621
Report Date: 03/25/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405621-01	SW-N (7.5')	520 W 28 ST. NYC	03/18/14 14:55
L1405621-02	SW-E (7.5')	520 W 28 ST. NYC	03/18/14 14:50
L1405621-03	SW-S (7.5')	520 W 28 ST. NYC	03/18/14 14:45
L1405621-04	SW-W (7.5')	520 W 28 ST. NYC	03/18/14 14:40
L1405621-05	EP. BOT (8')	520 W 28 ST. NYC	03/18/14 15:00
L1405621-06	DUPLICATE	520 W 28 ST. NYC	03/18/14 00:00
L1405621-07	TRIP BLANK	520 W 28 ST. NYC	03/18/14 00:00

Project Name: W28TH ST.
Project Number: E040

Lab Number: L1405621
Report Date: 03/25/14

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: W28TH ST.
Project Number: E040

Lab Number: L1405621
Report Date: 03/25/14

Case Narrative (continued)

Report Submission

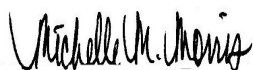
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1405621-01 and -02 have elevated detection limits due to the dilutions required by the sample matrices.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 03/25/14

ORGANICS

VOLATILES

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-01
Client ID: SW-N (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/14 13:30
Analyst: BN
Percent Solids: 79%

Date Collected: 03/18/14 14:55
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-01
 Client ID: SW-N (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:55
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	8.1	J	ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.27	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.76	1
o-Chlorotoluene	ND		ug/kg	6.7	0.22	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
1,4-Dioxane	ND		ug/kg	130	23.	1
1,4-Diethylbenzene	ND		ug/kg	5.4	0.22	1
4-Ethyltoluene	ND		ug/kg	5.4	0.16	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-01
 Client ID: SW-N (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:55
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-02
Client ID: SW-E (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/14 13:59
Analyst: BN
Percent Solids: 70%

Date Collected: 03/18/14 14:50
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.35	1
1,2-Dichloropropane	ND		ug/kg	5.8	0.38	1
Dibromochloromethane	ND		ug/kg	1.6	0.51	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-02
 Client ID: SW-E (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:50
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	ND		ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	ND		ug/kg	16	0.59	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.33	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.93	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.70	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.32	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.95	1
1,4-Dioxane	ND		ug/kg	160	29.	1
1,4-Diethylbenzene	ND		ug/kg	6.6	0.26	1
4-Ethyltoluene	ND		ug/kg	6.6	0.19	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-02
 Client ID: SW-E (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:50
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.22	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-03
Client ID: SW-S (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/14 14:27
Analyst: BN
Percent Solids: 82%

Date Collected: 03/18/14 14:45
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.58	1
Bromoform	ND		ug/kg	5.1	0.53	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.3	0.99	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.31	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-03
 Client ID: SW-S (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:45
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	ND		ug/kg	13	3.9	1
Carbon disulfide	ND		ug/kg	13	2.5	1
2-Butanone	ND		ug/kg	13	0.45	1
Vinyl acetate	ND		ug/kg	13	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.28	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.71	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.54	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.3	0.98	1
Acrylonitrile	ND		ug/kg	13	0.30	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.73	1
1,4-Dioxane	ND		ug/kg	130	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.1	0.20	1
4-Ethyltoluene	ND		ug/kg	5.1	0.15	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-03

Date Collected: 03/18/14 14:45

Client ID: SW-S (7.5')

Date Received: 03/18/14

Sample Location: 520 W 28 ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-04
Client ID: SW-W (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/14 14:56
Analyst: BN
Percent Solids: 63%

Date Collected: 03/18/14 14:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	3.5	1
1,1-Dichloroethane	ND		ug/kg	2.6	0.31	1
Chloroform	ND		ug/kg	2.6	0.65	1
Carbon tetrachloride	ND		ug/kg	1.8	0.37	1
1,2-Dichloropropane	ND		ug/kg	6.2	0.40	1
Dibromochloromethane	ND		ug/kg	1.8	0.54	1
1,1,2-Trichloroethane	ND		ug/kg	2.6	0.53	1
Tetrachloroethene	ND		ug/kg	1.8	0.25	1
Chlorobenzene	ND		ug/kg	1.8	0.61	1
Trichlorofluoromethane	ND		ug/kg	8.8	0.21	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.19	1
Bromodichloromethane	ND		ug/kg	1.8	0.40	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.22	1
1,1-Dichloropropene	ND		ug/kg	8.8	0.80	1
Bromoform	ND		ug/kg	7.0	0.73	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.30	1
Benzene	ND		ug/kg	1.8	0.21	1
Toluene	ND		ug/kg	2.6	0.20	1
Ethylbenzene	ND		ug/kg	1.8	0.26	1
Chloromethane	ND		ug/kg	8.8	1.4	1
Bromomethane	ND		ug/kg	3.5	0.59	1
Vinyl chloride	ND		ug/kg	3.5	0.25	1
Chloroethane	ND		ug/kg	3.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.37	1
Trichloroethene	ND		ug/kg	1.8	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	8.8	0.32	1
1,3-Dichlorobenzene	ND		ug/kg	8.8	0.32	1
1,4-Dichlorobenzene	ND		ug/kg	8.8	0.42	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-04
 Client ID: SW-W (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:40
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.5	0.18	1
p/m-Xylene	ND		ug/kg	3.5	0.57	1
o-Xylene	ND		ug/kg	3.5	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Dibromomethane	ND		ug/kg	18	0.29	1
Styrene	ND		ug/kg	3.5	0.54	1
Dichlorodifluoromethane	ND		ug/kg	18	0.38	1
Acetone	ND		ug/kg	18	5.4	1
Carbon disulfide	ND		ug/kg	18	3.5	1
2-Butanone	ND		ug/kg	18	0.62	1
Vinyl acetate	ND		ug/kg	18	0.84	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.43	1
1,2,3-Trichloropropane	ND		ug/kg	18	0.40	1
2-Hexanone	ND		ug/kg	18	0.33	1
Bromochloromethane	ND		ug/kg	8.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	8.8	0.40	1
1,2-Dibromoethane	ND		ug/kg	7.0	0.31	1
1,3-Dichloropropane	ND		ug/kg	8.8	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.56	1
Bromobenzene	ND		ug/kg	8.8	0.37	1
n-Butylbenzene	ND		ug/kg	1.8	0.35	1
sec-Butylbenzene	ND		ug/kg	1.8	0.36	1
tert-Butylbenzene	ND		ug/kg	8.8	0.98	1
o-Chlorotoluene	ND		ug/kg	8.8	0.28	1
p-Chlorotoluene	ND		ug/kg	8.8	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.8	1.4	1
Hexachlorobutadiene	ND		ug/kg	8.8	0.74	1
Isopropylbenzene	ND		ug/kg	1.8	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.34	1
Naphthalene	ND		ug/kg	8.8	1.4	1
Acrylonitrile	ND		ug/kg	18	0.42	1
n-Propylbenzene	ND		ug/kg	1.8	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.8	1.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.8	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.8	1.0	1
1,4-Dioxane	ND		ug/kg	180	31.	1
1,4-Diethylbenzene	ND		ug/kg	7.0	0.28	1
4-Ethyltoluene	ND		ug/kg	7.0	0.20	1

Project Name: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

SAMPLE RESULTS

Lab ID: L1405621-04
 Client ID: SW-W (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:40
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.0	0.23	1
Ethyl ether	ND		ug/kg	8.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.8	0.79	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-05
Client ID: EP. BOT (8')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/14 15:24
Analyst: BN
Percent Solids: 83%

Date Collected: 03/18/14 15:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.2	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.57	1
Bromoform	ND		ug/kg	5.0	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.3	0.98	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.30	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-05
 Client ID: EP. BOT (8')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 15:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	0.45	1
Vinyl acetate	ND		ug/kg	12	0.60	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.25	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.70	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.99	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.3	0.97	1
Acrylonitrile	ND		ug/kg	12	0.30	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.99	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
1,4-Dioxane	ND		ug/kg	120	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.0	0.20	1
4-Ethyltoluene	ND		ug/kg	5.0	0.15	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-05

Date Collected: 03/18/14 15:00

Client ID: EP. BOT (8')

Date Received: 03/18/14

Sample Location: 520 W 28 ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-06
Client ID: DUPLICATE
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/14 15:52
Analyst: BN
Percent Solids: 79%

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.1	0.74	1
Bromoform	ND		ug/kg	6.5	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Bromomethane	ND		ug/kg	3.2	0.55	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-06
 Client ID: DUPLICATE
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 00:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	ND		ug/kg	3.2	0.52	1
o-Xylene	ND		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	ND		ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.1	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.5	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.1	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.1	0.91	1
o-Chlorotoluene	ND		ug/kg	8.1	0.26	1
p-Chlorotoluene	ND		ug/kg	8.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.68	1
Isopropylbenzene	ND		ug/kg	1.6	0.27	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.1	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.1	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.1	0.93	1
1,4-Dioxane	ND		ug/kg	160	28.	1
1,4-Diethylbenzene	ND		ug/kg	6.5	0.26	1
4-Ethyltoluene	ND		ug/kg	6.5	0.19	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-06
 Client ID: DUPLICATE
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 00:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.5	0.21	1
Ethyl ether	ND		ug/kg	8.1	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	0.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-07
Client ID: TRIP BLANK
Sample Location: 520 W 28 ST. NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/14 23:27
Analyst: MS

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
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: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-07
 Client ID: TRIP BLANK
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 00:00
 Date Received: 03/18/14
 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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-07

Date Collected: 03/18/14 00:00

Client ID: TRIP BLANK

Date Received: 03/18/14

Sample Location: 520 W 28 ST. NYC

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	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	111		70-130

Project Name: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/20/14 08:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG677017-3					
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	0.27	J	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: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/20/14 08:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG677017-3					
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: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/20/14 08:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG677017-3					
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	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/20/14 22:55
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG677069-3					
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: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/20/14 22:55
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG677069-3					
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: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/20/14 22:55
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG677069-3					
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG677017-1 WG677017-2								
Methylene chloride	91		86		70-130	6		30
1,1-Dichloroethane	96		88		70-130	9		30
Chloroform	97		88		70-130	10		30
Carbon tetrachloride	99		89		70-130	11		30
1,2-Dichloropropane	94		87		70-130	8		30
Dibromochloromethane	88		85		70-130	3		30
1,1,2-Trichloroethane	88		83		70-130	6		30
Tetrachloroethene	97		84		70-130	14		30
Chlorobenzene	92		84		70-130	9		30
Trichlorofluoromethane	100		86		70-139	15		30
1,2-Dichloroethane	90		86		70-130	5		30
1,1,1-Trichloroethane	98		86		70-130	13		30
Bromodichloromethane	94		88		70-130	7		30
trans-1,3-Dichloropropene	91		86		70-130	6		30
cis-1,3-Dichloropropene	94		87		70-130	8		30
1,1-Dichloropropene	99		86		70-130	14		30
Bromoform	87		84		70-130	4		30
1,1,2,2-Tetrachloroethane	86		83		70-130	4		30
Benzene	93		84		70-130	10		30
Toluene	93		83		70-130	11		30
Ethylbenzene	92		83		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG677017-1 WG677017-2								
Chloromethane	87		77		52-130	12		30
Bromomethane	115		102		57-147	12		30
Vinyl chloride	95		83		67-130	13		30
Chloroethane	97		88		50-151	10		30
1,1-Dichloroethene	96		86		65-135	11		30
trans-1,2-Dichloroethene	96		86		70-130	11		30
Trichloroethene	95		85		70-130	11		30
1,2-Dichlorobenzene	91		83		70-130	9		30
1,3-Dichlorobenzene	92		84		70-130	9		30
1,4-Dichlorobenzene	92		83		70-130	10		30
Methyl tert butyl ether	87		84		66-130	4		30
p/m-Xylene	93		83		70-130	11		30
o-Xylene	92		83		70-130	10		30
cis-1,2-Dichloroethene	94		86		70-130	9		30
Dibromomethane	90		88		70-130	2		30
Styrene	91		83		70-130	9		30
Dichlorodifluoromethane	85		74		30-146	14		30
Acetone	124		103		54-140	19		30
Carbon disulfide	96		84		59-130	13		30
2-Butanone	97		87		70-130	11		30
Vinyl acetate	89		85		70-130	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG677017-1 WG677017-2								
4-Methyl-2-pentanone	83		81		70-130	2		30
1,2,3-Trichloropropane	86		84		68-130	2		30
2-Hexanone	87		79		70-130	10		30
Bromochloromethane	94		88		70-130	7		30
2,2-Dichloropropane	99		88		70-130	12		30
1,2-Dibromoethane	87		84		70-130	4		30
1,3-Dichloropropane	87		84		69-130	4		30
1,1,1,2-Tetrachloroethane	91		85		70-130	7		30
Bromobenzene	89		83		70-130	7		30
n-Butylbenzene	97		86		70-130	12		30
sec-Butylbenzene	96		85		70-130	12		30
tert-Butylbenzene	95		85		70-130	11		30
o-Chlorotoluene	93		84		70-130	10		30
p-Chlorotoluene	94		86		70-130	9		30
1,2-Dibromo-3-chloropropane	82		82		68-130	0		30
Hexachlorobutadiene	99		90		67-130	10		30
Isopropylbenzene	93		82		70-130	13		30
p-Isopropyltoluene	96		85		70-130	12		30
Naphthalene	81		81		70-130	0		30
Acrylonitrile	86		86		70-130	0		30
Isopropyl Ether	90		85		66-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG677017-1 WG677017-2								
tert-Butyl Alcohol	76		78		70-130	3		30
n-Propylbenzene	94		84		70-130	11		30
1,2,3-Trichlorobenzene	88		85		70-130	3		30
1,2,4-Trichlorobenzene	89		85		70-130	5		30
1,3,5-Trimethylbenzene	95		86		70-130	10		30
1,2,4-Trimethylbenzene	95		86		70-130	10		30
Methyl Acetate	85		83		51-146	2		30
Ethyl Acetate	87		85		70-130	2		30
Acrolein	97		98		70-130	1		30
Cyclohexane	100		87		59-142	14		30
1,4-Dioxane	76		75		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	101		88		50-139	14		30
1,4-Diethylbenzene	96		87		70-130	10		30
4-Ethyltoluene	94		85		70-130	10		30
1,2,4,5-Tetramethylbenzene	94		87		70-130	8		30
Tetrahydrofuran	105		105		66-130	0		30
Ethyl ether	92		86		67-130	7		30
trans-1,4-Dichloro-2-butene	86		87		70-130	1		30
Methyl cyclohexane	99		86		70-130	14		30
Ethyl-Tert-Butyl-Ether	90		85		70-130	6		30
Tertiary-Amyl Methyl Ether	88		85		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG677017-1 WG677017-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG677069-1 WG677069-2								
Methylene chloride	112		116		70-130	4		20
1,1-Dichloroethane	103		106		70-130	3		20
Chloroform	104		108		70-130	4		20
Carbon tetrachloride	104		108		63-132	4		20
1,2-Dichloropropane	102		106		70-130	4		20
Dibromochloromethane	92		101		63-130	9		20
1,1,2-Trichloroethane	96		106		70-130	10		20
Tetrachloroethene	102		102		70-130	0		20
Chlorobenzene	100		102		75-130	2		20
Trichlorofluoromethane	105		108		62-150	3		20
1,2-Dichloroethane	100		108		70-130	8		20
1,1,1-Trichloroethane	105		108		67-130	3		20
Bromodichloromethane	100		106		67-130	6		20
trans-1,3-Dichloropropene	97		106		70-130	9		20
cis-1,3-Dichloropropene	93		98		70-130	5		20
1,1-Dichloropropene	100		101		70-130	1		20
Bromoform	90		102		54-136	13		20
1,1,2,2-Tetrachloroethane	91		103		67-130	12		20
Benzene	107		110		70-130	3		20
Toluene	102		103		70-130	1		20
Ethylbenzene	107		109		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG677069-1 WG677069-2								
Chloromethane	82		84		64-130	2		20
Bromomethane	55		69		39-139	23	Q	20
Vinyl chloride	93		96		55-140	3		20
Chloroethane	103		99		55-138	4		20
1,1-Dichloroethene	102		106		61-145	4		20
trans-1,2-Dichloroethene	97		106		70-130	9		20
Trichloroethene	106		108		70-130	2		20
1,2-Dichlorobenzene	97		101		70-130	4		20
1,3-Dichlorobenzene	101		102		70-130	1		20
1,4-Dichlorobenzene	95		97		70-130	2		20
Methyl tert butyl ether	91		109		63-130	18		20
p/m-Xylene	101		102		70-130	1		20
o-Xylene	99		101		70-130	2		20
cis-1,2-Dichloroethene	106		108		70-130	2		20
Dibromomethane	96		106		70-130	10		20
1,2,3-Trichloropropane	92		104		64-130	12		20
Acrylonitrile	96		111		70-130	14		20
Styrene	101		104		70-130	3		20
Dichlorodifluoromethane	80		80		36-147	0		20
Acetone	91		115		58-148	23	Q	20
Carbon disulfide	96		100		51-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG677069-1 WG677069-2								
2-Butanone	90		108		63-138	18		20
Vinyl acetate	101		115		70-130	13		20
4-Methyl-2-pentanone	80		93		59-130	15		20
2-Hexanone	78		91		57-130	15		20
Bromochloromethane	103		109		70-130	6		20
2,2-Dichloropropane	108		111		63-133	3		20
1,2-Dibromoethane	95		105		70-130	10		20
1,3-Dichloropropane	96		106		70-130	10		20
1,1,1,2-Tetrachloroethane	100		103		64-130	3		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	97		98		53-136	1		20
sec-Butylbenzene	97		98		70-130	1		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	106		108		70-130	2		20
p-Chlorotoluene	106		107		70-130	1		20
1,2-Dibromo-3-chloropropane	97		103		41-144	6		20
Hexachlorobutadiene	96		104		63-130	8		20
Isopropylbenzene	95		96		70-130	1		20
p-Isopropyltoluene	92		94		70-130	2		20
Naphthalene	75		82		70-130	9		20
n-Propylbenzene	108		108		69-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG677069-1 WG677069-2								
1,2,3-Trichlorobenzene	85		93		70-130	9		20
1,2,4-Trichlorobenzene	80		85		70-130	6		20
1,3,5-Trimethylbenzene	101		102		64-130	1		20
1,2,4-Trimethylbenzene	101		102		70-130	1		20
1,4-Dioxane	124		167	Q	56-162	30	Q	20
p-Diethylbenzene	90		90		70-130	0		20
p-Ethyltoluene	101		102		70-130	1		20
1,2,4,5-Tetramethylbenzene	89		88		70-130	1		20
Ethyl ether	97		106		59-134	9		20
trans-1,4-Dichloro-2-butene	88		97		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		98		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	100		101		70-130

SEMIVOLATILES

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-01 D
Client ID: SW-N (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/14 22:52
Analyst: RC
Percent Solids: 79%

Date Collected: 03/18/14 14:55
Date Received: 03/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/19/14 10:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	330	85.	2
1,2,4-Trichlorobenzene	ND		ug/kg	410	140	2
Hexachlorobenzene	ND		ug/kg	250	77.	2
Bis(2-chloroethyl)ether	ND		ug/kg	370	120	2
2-Chloronaphthalene	ND		ug/kg	410	140	2
1,2-Dichlorobenzene	ND		ug/kg	410	140	2
1,3-Dichlorobenzene	ND		ug/kg	410	130	2
1,4-Dichlorobenzene	ND		ug/kg	410	130	2
3,3'-Dichlorobenzidine	ND		ug/kg	410	110	2
2,4-Dinitrotoluene	ND		ug/kg	410	90.	2
2,6-Dinitrotoluene	ND		ug/kg	410	110	2
Fluoranthene	210	J	ug/kg	250	76.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	410	130	2
4-Bromophenyl phenyl ether	ND		ug/kg	410	95.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	500	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	450	120	2
Hexachlorobutadiene	ND		ug/kg	410	120	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	270	2
Hexachloroethane	ND		ug/kg	330	75.	2
Isophorone	ND		ug/kg	370	110	2
Naphthalene	ND		ug/kg	410	140	2
Nitrobenzene	ND		ug/kg	370	99.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	330	87.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	410	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	410	110	2
Butyl benzyl phthalate	ND		ug/kg	410	81.	2
Di-n-butylphthalate	ND		ug/kg	410	80.	2
Di-n-octylphthalate	ND		ug/kg	410	100	2
Diethyl phthalate	ND		ug/kg	410	88.	2
Dimethyl phthalate	ND		ug/kg	410	100	2
Benzo(a)anthracene	110	J	ug/kg	250	81.	2

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-01 D

Date Collected: 03/18/14 14:55

Client ID: SW-N (7.5')

Date Received: 03/18/14

Sample Location: 520 W 28 ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	320	J	ug/kg	330	100	2
Benzo(b)fluoranthene	320		ug/kg	250	84.	2
Benzo(k)fluoranthene	ND		ug/kg	250	79.	2
Chrysene	96	J	ug/kg	250	81.	2
Acenaphthylene	ND		ug/kg	330	78.	2
Anthracene	ND		ug/kg	250	69.	2
Benzo(ghi)perylene	ND		ug/kg	330	86.	2
Fluorene	ND		ug/kg	410	120	2
Phenanthrene	120	J	ug/kg	250	81.	2
Dibenzo(a,h)anthracene	ND		ug/kg	250	80.	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330	92.	2
Pyrene	190	J	ug/kg	250	81.	2
Biphenyl	ND		ug/kg	940	140	2
4-Chloroaniline	ND		ug/kg	410	110	2
2-Nitroaniline	ND		ug/kg	410	120	2
3-Nitroaniline	ND		ug/kg	410	110	2
4-Nitroaniline	ND		ug/kg	410	110	2
Dibenzofuran	ND		ug/kg	410	140	2
2-Methylnaphthalene	ND		ug/kg	500	130	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	410	130	2
Acetophenone	ND		ug/kg	410	130	2
Benzyl Alcohol	ND		ug/kg	410	130	2
Carbazole	ND		ug/kg	410	89.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	88		18-120

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-02 D
Client ID: SW-E (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/14 23:18
Analyst: RC
Percent Solids: 70%

Date Collected: 03/18/14 14:50
Date Received: 03/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/19/14 10:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	370	96.	2
1,2,4-Trichlorobenzene	ND		ug/kg	470	150	2
Hexachlorobenzene	ND		ug/kg	280	87.	2
Bis(2-chloroethyl)ether	ND		ug/kg	420	130	2
2-Chloronaphthalene	ND		ug/kg	470	150	2
1,2-Dichlorobenzene	ND		ug/kg	470	150	2
1,3-Dichlorobenzene	ND		ug/kg	470	150	2
1,4-Dichlorobenzene	ND		ug/kg	470	140	2
3,3'-Dichlorobenzidine	ND		ug/kg	470	120	2
2,4-Dinitrotoluene	ND		ug/kg	470	100	2
2,6-Dinitrotoluene	ND		ug/kg	470	120	2
Fluoranthene	1800		ug/kg	280	86.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	470	140	2
4-Bromophenyl phenyl ether	ND		ug/kg	470	110	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	560	160	2
Bis(2-chloroethoxy)methane	ND		ug/kg	500	140	2
Hexachlorobutadiene	ND		ug/kg	470	130	2
Hexachlorocyclopentadiene	ND		ug/kg	1300	300	2
Hexachloroethane	ND		ug/kg	370	85.	2
Isophorone	ND		ug/kg	420	120	2
Naphthalene	ND		ug/kg	470	150	2
Nitrobenzene	ND		ug/kg	420	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	370	98.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	470	140	2
Bis(2-Ethylhexyl)phthalate	380	J	ug/kg	470	120	2
Butyl benzyl phthalate	ND		ug/kg	470	91.	2
Di-n-butylphthalate	ND		ug/kg	470	90.	2
Di-n-octylphthalate	ND		ug/kg	470	110	2
Diethyl phthalate	ND		ug/kg	470	98.	2
Dimethyl phthalate	ND		ug/kg	470	120	2
Benzo(a)anthracene	730		ug/kg	280	91.	2

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-02 D

Date Collected: 03/18/14 14:50

Client ID: SW-E (7.5')

Date Received: 03/18/14

Sample Location: 520 W 28 ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	790		ug/kg	370	110	2
Benzo(b)fluoranthene	880		ug/kg	280	94.	2
Benzo(k)fluoranthene	310		ug/kg	280	89.	2
Chrysene	650		ug/kg	280	92.	2
Acenaphthylene	170	J	ug/kg	370	87.	2
Anthracene	290		ug/kg	280	78.	2
Benzo(ghi)perylene	610		ug/kg	370	97.	2
Fluorene	ND		ug/kg	470	130	2
Phenanthrene	1300		ug/kg	280	91.	2
Dibenzo(a,h)anthracene	380		ug/kg	280	90.	2
Indeno(1,2,3-cd)Pyrene	830		ug/kg	370	100	2
Pyrene	1500		ug/kg	280	91.	2
Biphenyl	ND		ug/kg	1100	150	2
4-Chloroaniline	ND		ug/kg	470	120	2
2-Nitroaniline	ND		ug/kg	470	130	2
3-Nitroaniline	ND		ug/kg	470	130	2
4-Nitroaniline	ND		ug/kg	470	120	2
Dibenzofuran	ND		ug/kg	470	160	2
2-Methylnaphthalene	ND		ug/kg	560	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	470	140	2
Acetophenone	ND		ug/kg	470	140	2
Benzyl Alcohol	ND		ug/kg	470	140	2
Carbazole	160	J	ug/kg	470	100	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	68		18-120

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-03
Client ID: SW-S (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/14 23:44
Analyst: RC
Percent Solids: 82%

Date Collected: 03/18/14 14:45
Date Received: 03/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/19/14 10:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	580		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	240		ug/kg	120	39.	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-03
 Client ID: SW-S (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:45
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	280		ug/kg	160	49.	1
Benzo(b)fluoranthene	310		ug/kg	120	40.	1
Benzo(k)fluoranthene	100	J	ug/kg	120	38.	1
Chrysene	220		ug/kg	120	39.	1
Acenaphthylene	42	J	ug/kg	160	37.	1
Anthracene	120		ug/kg	120	33.	1
Benzo(ghi)perylene	230		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	420		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	160		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	320		ug/kg	160	44.	1
Pyrene	480		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	61	J	ug/kg	200	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	84		18-120

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-04
Client ID: SW-W (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/22/14 00:09
Analyst: RC
Percent Solids: 63%

Date Collected: 03/18/14 14:40
Date Received: 03/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/19/14 10:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	68	J	ug/kg	200	53.	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	84.	1
Hexachlorobenzene	ND		ug/kg	150	48.	1
Bis(2-chloroethyl)ether	ND		ug/kg	230	72.	1
2-Chloronaphthalene	ND		ug/kg	260	84.	1
1,2-Dichlorobenzene	ND		ug/kg	260	84.	1
1,3-Dichlorobenzene	ND		ug/kg	260	81.	1
1,4-Dichlorobenzene	ND		ug/kg	260	78.	1
3,3'-Dichlorobenzidine	ND		ug/kg	260	68.	1
2,4-Dinitrotoluene	ND		ug/kg	260	55.	1
2,6-Dinitrotoluene	ND		ug/kg	260	66.	1
Fluoranthene	1200		ug/kg	150	47.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	260	78.	1
4-Bromophenyl phenyl ether	ND		ug/kg	260	59.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	310	90.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	280	78.	1
Hexachlorobutadiene	ND		ug/kg	260	72.	1
Hexachlorocyclopentadiene	ND		ug/kg	740	160	1
Hexachloroethane	ND		ug/kg	200	47.	1
Isophorone	ND		ug/kg	230	68.	1
Naphthalene	ND		ug/kg	260	85.	1
Nitrobenzene	ND		ug/kg	230	61.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	200	54.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	260	76.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	260	67.	1
Butyl benzyl phthalate	ND		ug/kg	260	50.	1
Di-n-butylphthalate	ND		ug/kg	260	50.	1
Di-n-octylphthalate	ND		ug/kg	260	63.	1
Diethyl phthalate	ND		ug/kg	260	54.	1
Dimethyl phthalate	ND		ug/kg	260	65.	1
Benzo(a)anthracene	540		ug/kg	150	50.	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-04
 Client ID: SW-W (7.5')
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 14:40
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	490		ug/kg	200	63.	1
Benzo(b)fluoranthene	580		ug/kg	150	52.	1
Benzo(k)fluoranthene	200		ug/kg	150	49.	1
Chrysene	480		ug/kg	150	50.	1
Acenaphthylene	62	J	ug/kg	200	48.	1
Anthracene	230		ug/kg	150	43.	1
Benzo(ghi)perylene	370		ug/kg	200	53.	1
Fluorene	87	J	ug/kg	260	74.	1
Phenanthrene	930		ug/kg	150	50.	1
Dibenzo(a,h)anthracene	220		ug/kg	150	50.	1
Indeno(1,2,3-cd)Pyrene	500		ug/kg	200	57.	1
Pyrene	1000		ug/kg	150	50.	1
Biphenyl	ND		ug/kg	580	85.	1
4-Chloroaniline	ND		ug/kg	260	68.	1
2-Nitroaniline	ND		ug/kg	260	72.	1
3-Nitroaniline	ND		ug/kg	260	71.	1
4-Nitroaniline	ND		ug/kg	260	69.	1
Dibenzofuran	ND		ug/kg	260	86.	1
2-Methylnaphthalene	ND		ug/kg	310	82.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	260	80.	1
Acetophenone	ND		ug/kg	260	80.	1
Benzyl Alcohol	ND		ug/kg	260	79.	1
Carbazole	110	J	ug/kg	260	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	79		18-120

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-05 D2
 Client ID: EP. BOT (8')
 Sample Location: 520 W 28 ST. NYC
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/25/14 10:31
 Analyst: RC
 Percent Solids: 83%

Date Collected: 03/18/14 15:00
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 03/19/14 10:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	18000		ug/kg	470	140	4

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-05 D
Client ID: EP. BOT (8')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/22/14 00:35
Analyst: RC
Percent Solids: 83%

Date Collected: 03/18/14 15:00
Date Received: 03/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/19/14 10:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	310	80.	2
1,2,4-Trichlorobenzene	ND		ug/kg	390	130	2
Hexachlorobenzene	ND		ug/kg	230	73.	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	110	2
2-Chloronaphthalene	ND		ug/kg	390	130	2
1,2-Dichlorobenzene	ND		ug/kg	390	130	2
1,3-Dichlorobenzene	ND		ug/kg	390	120	2
1,4-Dichlorobenzene	ND		ug/kg	390	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	390	100	2
2,4-Dinitrotoluene	ND		ug/kg	390	84.	2
2,6-Dinitrotoluene	ND		ug/kg	390	100	2
Fluoranthene	16000	E	ug/kg	230	72.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	390	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	390	90.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	470	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	120	2
Hexachlorobutadiene	ND		ug/kg	390	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	250	2
Hexachloroethane	ND		ug/kg	310	71.	2
Isophorone	ND		ug/kg	350	100	2
Naphthalene	960		ug/kg	390	130	2
Nitrobenzene	ND		ug/kg	350	93.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	82.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	390	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	390	100	2
Butyl benzyl phthalate	ND		ug/kg	390	76.	2
Di-n-butylphthalate	ND		ug/kg	390	75.	2
Di-n-octylphthalate	ND		ug/kg	390	96.	2
Diethyl phthalate	ND		ug/kg	390	82.	2
Dimethyl phthalate	ND		ug/kg	390	99.	2
Benzo(a)anthracene	7800		ug/kg	230	76.	2

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-05 D

Date Collected: 03/18/14 15:00

Client ID: EP. BOT (8')

Date Received: 03/18/14

Sample Location: 520 W 28 ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	5000		ug/kg	310	95.	2
Benzo(b)fluoranthene	6000		ug/kg	230	79.	2
Benzo(k)fluoranthene	3100		ug/kg	230	74.	2
Chrysene	6900		ug/kg	230	76.	2
Acenaphthylene	720		ug/kg	310	73.	2
Anthracene	4300		ug/kg	230	65.	2
Benzo(ghi)perylene	3400		ug/kg	310	81.	2
Fluorene	1600		ug/kg	390	110	2
Phenanthrene	13000		ug/kg	230	76.	2
Dibenzo(a,h)anthracene	1100		ug/kg	230	76.	2
Indeno(1,2,3-cd)Pyrene	4100		ug/kg	310	86.	2
Pyrene	12000		ug/kg	230	76.	2
Biphenyl	150	J	ug/kg	890	130	2
4-Chloroaniline	ND		ug/kg	390	100	2
2-Nitroaniline	ND		ug/kg	390	110	2
3-Nitroaniline	ND		ug/kg	390	110	2
4-Nitroaniline	ND		ug/kg	390	100	2
Dibenzofuran	1300		ug/kg	390	130	2
2-Methylnaphthalene	550		ug/kg	470	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	390	120	2
Acetophenone	ND		ug/kg	390	120	2
Benzyl Alcohol	ND		ug/kg	390	120	2
Carbazole	2400		ug/kg	390	84.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		30-120
4-Terphenyl-d14	81		18-120

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-06
Client ID: DUPLICATE
Sample Location: 520 W 28 ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/22/14 01:00
Analyst: RC
Percent Solids: 79%

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/19/14 10:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	260		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	130		ug/kg	120	41.	1

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-06
 Client ID: DUPLICATE
 Sample Location: 520 W 28 ST. NYC

Date Collected: 03/18/14 00:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	220		ug/kg	170	51.	1
Benzo(b)fluoranthene	240		ug/kg	120	42.	1
Benzo(k)fluoranthene	46	J	ug/kg	120	40.	1
Chrysene	120		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	35.	1
Benzo(ghi)perylene	190		ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	130		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	270		ug/kg	170	46.	1
Pyrene	220		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	82		30-120
4-Terphenyl-d14	80		18-120

Project Name: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/22/14 00:30
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 03/19/14 10:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG676467-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/22/14 00:30
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 03/19/14 10:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG676467-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/22/14 00:30
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 03/19/14 10:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG676467-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG676467-2 WG676467-3								
Acenaphthene	88		88		31-137	0		50
1,2,4-Trichlorobenzene	84		87		38-107	4		50
Hexachlorobenzene	86		83		40-140	4		50
Bis(2-chloroethyl)ether	80		82		40-140	2		50
2-Chloronaphthalene	83		84		40-140	1		50
1,2-Dichlorobenzene	80		82		40-140	2		50
1,3-Dichlorobenzene	81		83		40-140	2		50
1,4-Dichlorobenzene	79		82		28-104	4		50
3,3'-Dichlorobenzidine	68		71		40-140	4		50
2,4-Dinitrotoluene	98	Q	96	Q	28-89	2		50
2,6-Dinitrotoluene	84		82		40-140	2		50
Fluoranthene	99		98		40-140	1		50
4-Chlorophenyl phenyl ether	90		90		40-140	0		50
4-Bromophenyl phenyl ether	90		90		40-140	0		50
Bis(2-chloroisopropyl)ether	77		80		40-140	4		50
Bis(2-chloroethoxy)methane	78		80		40-117	3		50
Hexachlorobutadiene	84		89		40-140	6		50
Hexachlorocyclopentadiene	83		86		40-140	4		50
Hexachloroethane	81		85		40-140	5		50
Isophorone	77		78		40-140	1		50
Naphthalene	84		87		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG676467-2 WG676467-3								
Nitrobenzene	87		92		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	95		94			1		50
n-Nitrosodi-n-propylamine	81		84		32-121	4		50
Bis(2-ethylhexyl)phthalate	86		84		40-140	2		50
Butyl benzyl phthalate	82		81		40-140	1		50
Di-n-butylphthalate	106		107		40-140	1		50
Di-n-octylphthalate	77		73		40-140	5		50
Diethyl phthalate	97		95		40-140	2		50
Dimethyl phthalate	95		94		40-140	1		50
Benzo(a)anthracene	109		107		40-140	2		50
Benzo(a)pyrene	111		111		40-140	0		50
Benzo(b)fluoranthene	102		103		40-140	1		50
Benzo(k)fluoranthene	102		103		40-140	1		50
Chrysene	98		99		40-140	1		50
Acenaphthylene	88		89		40-140	1		50
Anthracene	108		110		40-140	2		50
Benzo(ghi)perylene	107		107		40-140	0		50
Fluorene	93		92		40-140	1		50
Phenanthrene	96		98		40-140	2		50
Dibenzo(a,h)anthracene	108		108		40-140	0		50
Indeno(1,2,3-cd)pyrene	110		109		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG676467-2 WG676467-3								
Pyrene	94		95		35-142	1		50
Biphenyl	87		89			2		50
4-Chloroaniline	39	Q	46		40-140	16		50
2-Nitroaniline	72		72		47-134	0		50
3-Nitroaniline	56		60		26-129	7		50
4-Nitroaniline	82		86		41-125	5		50
Dibenzofuran	90		90		40-140	0		50
2-Methylnaphthalene	79		80		40-140	1		50
1,2,4,5-Tetrachlorobenzene	85		88		40-117	3		50
Acetophenone	88		92		14-144	4		50
2,4,6-Trichlorophenol	83		83		30-130	0		50
P-Chloro-M-Cresol	89		87		26-103	2		50
2-Chlorophenol	83		85		25-102	2		50
2,4-Dichlorophenol	91		94		30-130	3		50
2,4-Dimethylphenol	75		79		30-130	5		50
2-Nitrophenol	75		77		30-130	3		50
4-Nitrophenol	91		89		11-114	2		50
2,4-Dinitrophenol	64		64		4-130	0		50
4,6-Dinitro-o-cresol	69		70		10-130	1		50
Pentachlorophenol	81		82		17-109	1		50
Phenol	81		84		26-90	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG676467-2 WG676467-3								
2-Methylphenol	83		85		30-130.	2		50
3-Methylphenol/4-Methylphenol	86		86		30-130	0		50
2,4,5-Trichlorophenol	86		85		30-130	1		50
Benzoic Acid	45		48			6		50
Benzyl Alcohol	77		80		40-140	4		50
Carbazole	102		102		54-128	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		83		25-120
Phenol-d6	83		82		10-120
Nitrobenzene-d5	78		80		23-120
2-Fluorobiphenyl	83		81		30-120
2,4,6-Tribromophenol	100		99		0-136
4-Terphenyl-d14	91		88		18-120

INORGANICS & MISCELLANEOUS

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

SAMPLE RESULTS

Lab ID: L1405621-01
 Client ID: SW-N (7.5')
 Sample Location: 520 W 28 ST. NYC
 Matrix: Soil

Date Collected: 03/18/14 14:55
 Date Received: 03/18/14
 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	79.0		%	0.100	NA	1	-	03/19/14 19:51	30,2540G	RT



Project Name: W28TH ST.**Project Number:** E040**Lab Number:** L1405621**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-02
Client ID: SW-E (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil

Date Collected: 03/18/14 14:50
Date Received: 03/18/14
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	70.4		%	0.100	NA	1	-	03/19/14 19:51	30,2540G	RT



Project Name: W28TH ST.**Project Number:** E040**Lab Number:** L1405621**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-03
Client ID: SW-S (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil

Date Collected: 03/18/14 14:45
Date Received: 03/18/14
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	82.1		%	0.100	NA	1	-	03/19/14 19:51	30,2540G	RT



Project Name: W28TH ST.**Project Number:** E040**Lab Number:** L1405621**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-04
Client ID: SW-W (7.5')
Sample Location: 520 W 28 ST. NYC
Matrix: Soil

Date Collected: 03/18/14 14:40
Date Received: 03/18/14
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	63.2		%	0.100	NA	1	-	03/19/14 19:51	30,2540G	RT



Project Name: W28TH ST.**Project Number:** E040**Lab Number:** L1405621**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-05
Client ID: EP. BOT (8")
Sample Location: 520 W 28 ST. NYC
Matrix: Soil

Date Collected: 03/18/14 15:00
Date Received: 03/18/14
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	82.9		%	0.100	NA	1	-	03/19/14 19:51	30,2540G	RT



Project Name: W28TH ST.**Project Number:** E040**Lab Number:** L1405621**Report Date:** 03/25/14**SAMPLE RESULTS**

Lab ID: L1405621-06
Client ID: DUPLICATE
Sample Location: 520 W 28 ST. NYC
Matrix: Soil

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
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	79.0		%	0.100	NA	1	-	03/19/14 19:51	30,2540G	RT



Project Name: W28TH ST.

Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1405621

Report Date: 03/25/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG676606-1 QC Sample: L1405621-01 Client ID: SW-N (7.5')						
Solids, Total	79.0	79.4	%	1		20

Project Name: W28TH ST.

Lab Number: L1405621

Project Number: E040

Report Date: 03/25/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/19/2014 01:30

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405621-01A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-01B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-01C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1405621-01E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14)
L1405621-01X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-01Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-01Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-02A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-02B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-02C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1405621-02E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14)
L1405621-02X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-02Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-02Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-03A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-03B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-03C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-03D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1405621-03E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14)
L1405621-03X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-03Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-03Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-04A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-04B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-04C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: W28TH ST.

Project Number: E040

Lab Number: L1405621

Report Date: 03/25/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405621-04D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1405621-04E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14)
L1405621-04X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-04Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-04Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-05A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-05B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-05C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-05D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1405621-05E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14)
L1405621-05X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-05Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-05Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-06A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-06B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-06C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1405621-06D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1405621-06E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14)
L1405621-06X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-06Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-06Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1405621-07A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1405621-07B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14

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: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: W28TH ST.**Lab Number:** L1405621**Project Number:** E040**Report Date:** 03/25/14

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, SM4500CI-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.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/18/14

ALPHA Job #: C1405621

Project Information

Project Name: W28TH ST.

Project Location: 520 W28 ST., NYC

Project #: 6040

Project Manager:

ALPHA Quote #:

Turn-Around 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

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY SUITE 1601

NY, NY

Phone: 212-440-6715

Fax:

Email: SMCARROLL@INTEGRAL-CORP.COM

ACARROLL@ " " "

☐ These samples have been previously analyzed by Alpha

☒ Standard

☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/25/14

Time:

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS TCL VOC's 8260C BASE NEUTRAL SVOC's W3 8270S										SAMPLE HANDLING Filtration _____ ☐ Done ☒ Not needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)		Sample Specific Comments	TOTAL # BOTTLES
		Date	Time																
05621-01	SW-N (7.5')	3/18/14	14:55	S	SM	X	X												5
-02	SW-E (7.5')		14:50			X	X												5
-03	SW-S (7.5')		14:45			X	X												5
-04	SW-W (7.5')		14:45			X	X												5
-05	EP. BOT (8')		15:00			X	X												5
-06	DUPLICATE		-			X	X												5
-07	TRIP BLANK		-	AQ		X													2

Container Type E/A

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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.

Offsite Sampling Reports



ANALYTICAL REPORT

Lab Number:	L1412615
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/17/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412615
Report Date: 06/17/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1412615-01	G2-SOUTH-SW-10FTBG	520 W 28TH ST, NYC	06/10/14 13:30
L1412615-02	TRIP BLANK-6-10-14	520 W 28TH ST, NYC	06/10/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412615
Report Date: 06/17/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412615
Report Date: 06/17/14

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.

Metals

L1412615-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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:  Lisa Westerlind

Title: Technical Director/Representative

Date: 06/17/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01
Client ID: G2-SOUTH-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/14 14:36
Analyst: BN
Percent Solids: 83%

Date Collected: 06/10/14 13:30
Date Received: 06/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.94	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.94	0.13	1
Chlorobenzene	ND		ug/kg	0.94	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.10	1
Bromodichloromethane	ND		ug/kg	0.94	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.94	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.13	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.10	1
Benzene	ND		ug/kg	0.94	0.11	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.94	0.12	1
Chloromethane	ND		ug/kg	4.7	0.28	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.94	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.13	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01

Date Collected: 06/10/14 13:30

Client ID: G2-SOUTH-SW-10FTBG

Date Received: 06/10/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.08	1
p/m-Xylene	ND		ug/kg	1.9	0.19	1
o-Xylene	ND		ug/kg	1.9	0.16	1
Xylene (Total)	ND		ug/kg	1.9	0.16	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.13	1
1,2-Dichloroethene (total)	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	9.4	0.15	1
Styrene	ND		ug/kg	1.9	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.18	1
Acetone	ND		ug/kg	9.4	0.98	1
Carbon disulfide	6.3	J	ug/kg	9.4	1.0	1
2-Butanone	ND		ug/kg	9.4	0.26	1
Vinyl acetate	ND		ug/kg	9.4	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.4	0.15	1
2-Hexanone	ND		ug/kg	9.4	0.63	1
Bromochloromethane	ND		ug/kg	4.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.94	0.11	1
sec-Butylbenzene	ND		ug/kg	0.94	0.12	1
tert-Butylbenzene	ND		ug/kg	4.7	0.13	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.22	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.12	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.4	0.48	1
n-Propylbenzene	ND		ug/kg	0.94	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.13	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01

Date Collected: 06/10/14 13:30

Client ID: G2-SOUTH-SW-10FTBG

Date Received: 06/10/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	94	14.	1
1,4-Diethylbenzene	ND		ug/kg	3.8	0.15	1
4-Ethyltoluene	ND		ug/kg	3.8	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1
Ethyl ether	ND		ug/kg	4.7	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-02
Client ID: TRIP BLANK-6-10-14
Sample Location: 520 W 28TH ST, NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/14/14 15:10
Analyst: MS

Date Collected: 06/10/14 00:00
Date Received: 06/10/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-02
 Client ID: TRIP BLANK-6-10-14
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 06/10/14 00:00
 Date Received: 06/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-02
 Client ID: TRIP BLANK-6-10-14
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 06/10/14 00:00
 Date Received: 06/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	112		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	116		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/14 08:27
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697352-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/14 08:27
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697352-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
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	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10



Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/14 08:27
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697352-3					
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/12/14 08:27

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG697352-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/14/14 13:25
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG698023-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/14/14 13:25
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG698023-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/14/14 13:25
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG698023-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/14/14 13:25

Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG698023-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697352-1 WG697352-2								
Methylene chloride	103		100		70-130	3		30
1,1-Dichloroethane	105		101		70-130	4		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	81		77		70-130	5		30
1,2-Dichloropropane	104		100		70-130	4		30
Dibromochloromethane	94		92		70-130	2		30
1,1,2-Trichloroethane	101		103		70-130	2		30
Tetrachloroethene	85		83		70-130	2		30
Chlorobenzene	94		91		70-130	3		30
Trichlorofluoromethane	74		72		70-139	3		30
1,2-Dichloroethane	99		96		70-130	3		30
1,1,1-Trichloroethane	88		85		70-130	3		30
Bromodichloromethane	96		92		70-130	4		30
trans-1,3-Dichloropropene	102		101		70-130	1		30
cis-1,3-Dichloropropene	94		91		70-130	3		30
1,1-Dichloropropene	88		86		70-130	2		30
Bromoform	92		92		70-130	0		30
1,1,2,2-Tetrachloroethane	104		106		70-130	2		30
Benzene	95		93		70-130	2		30
Toluene	92		90		70-130	2		30
Ethylbenzene	92		90		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697352-1 WG697352-2								
Chloromethane	104		102		52-130	2		30
Bromomethane	101		94		57-147	7		30
Vinyl chloride	88		85		67-130	3		30
Chloroethane	99		97		50-151	2		30
1,1-Dichloroethene	86		85		65-135	1		30
trans-1,2-Dichloroethene	92		89		70-130	3		30
Trichloroethene	90		86		70-130	5		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	96		95		70-130	1		30
Methyl tert butyl ether	89		87		66-130	2		30
p/m-Xylene	91		89		70-130	2		30
o-Xylene	89		87		70-130	2		30
cis-1,2-Dichloroethene	94		91		70-130	3		30
Dibromomethane	95		93		70-130	2		30
Styrene	89		86		70-130	3		30
Dichlorodifluoromethane	63		60		30-146	5		30
Acetone	123		128		54-140	4		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	106		109		70-130	3		30
Vinyl acetate	108		105		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697352-1 WG697352-2								
4-Methyl-2-pentanone	91		94		70-130	3		30
1,2,3-Trichloropropane	107		107		68-130	0		30
2-Hexanone	100		103		70-130	3		30
Bromochloromethane	90		89		70-130	1		30
2,2-Dichloropropane	95		93		70-130	2		30
1,2-Dibromoethane	96		96		70-130	0		30
1,3-Dichloropropane	100		100		69-130	0		30
1,1,1,2-Tetrachloroethane	93		90		70-130	3		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	91		90		70-130	1		30
tert-Butylbenzene	90		89		70-130	1		30
o-Chlorotoluene	103		92		70-130	11		30
p-Chlorotoluene	101		99		70-130	2		30
1,2-Dibromo-3-chloropropane	91		92		68-130	1		30
Hexachlorobutadiene	86		84		67-130	2		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	91		90		70-130	1		30
Naphthalene	98		100		70-130	2		30
Acrylonitrile	108		108		70-130	0		30
Isopropyl Ether	113		111		66-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697352-1 WG697352-2								
tert-Butyl Alcohol	97		104		70-130	7		30
n-Propylbenzene	96		95		70-130	1		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	99		99		70-130	0		30
1,3,5-Trimethylbenzene	97		95		70-130	2		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30
Methyl Acetate	122		122		51-146	0		30
Ethyl Acetate	112		112		70-130	0		30
Acrolein	134	Q	134	Q	70-130	0		30
Cyclohexane	87		86		59-142	1		30
1,4-Dioxane	85		88		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	86		84		50-139	2		30
1,4-Diethylbenzene	92		90		70-130	2		30
4-Ethyltoluene	96		95		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		91		70-130	2		30
Tetrahydrofuran	107		109		66-130	2		30
Ethyl ether	86		85		67-130	1		30
trans-1,4-Dichloro-2-butene	110		111		70-130	1		30
Methyl cyclohexane	81		79		70-130	3		30
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		30
Tertiary-Amyl Methyl Ether	95		93		70-130	2		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412615**Report Date:** 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG697352-1 WG697352-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	103		108		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

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: WG698023-1 WG698023-2								
Methylene chloride	116		112		70-130	4		20
1,1-Dichloroethane	118		116		70-130	2		20
Chloroform	119		114		70-130	4		20
2-Chloroethylvinyl ether	80		72		70-130	11		20
Carbon tetrachloride	117		111		63-132	5		20
1,2-Dichloropropane	117		121		70-130	3		20
Dibromochloromethane	100		94		63-130	6		20
1,1,2-Trichloroethane	106		105		70-130	1		20
Tetrachloroethene	113		115		70-130	2		20
Chlorobenzene	110		115		75-130	4		20
Trichlorofluoromethane	100		97		62-150	3		20
1,2-Dichloroethane	126		117		70-130	7		20
1,1,1-Trichloroethane	119		115		67-130	3		20
Bromodichloromethane	116		113		67-130	3		20
trans-1,3-Dichloropropene	103		103		70-130	0		20
cis-1,3-Dichloropropene	108		102		70-130	6		20
1,1-Dichloropropene	118		114		70-130	3		20
Bromoform	80		81		54-136	1		20
1,1,2,2-Tetrachloroethane	93		97		67-130	4		20
Benzene	124		116		70-130	7		20
Toluene	108		108		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

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: WG698023-1 WG698023-2								
Ethylbenzene	117		119		70-130	2		20
Chloromethane	123		119		64-130	3		20
Bromomethane	71		70		39-139	1		20
Vinyl chloride	151	Q	147	Q	55-140	3		20
Chloroethane	118		116		55-138	2		20
1,1-Dichloroethene	97		100		61-145	3		20
trans-1,2-Dichloroethene	112		111		70-130	1		20
Trichloroethene	112		113		70-130	1		20
1,2-Dichlorobenzene	100		104		70-130	4		20
1,3-Dichlorobenzene	105		105		70-130	0		20
1,4-Dichlorobenzene	103		103		70-130	0		20
Methyl tert butyl ether	100		97		63-130	3		20
p/m-Xylene	122		128		70-130	5		20
o-Xylene	121		130		70-130	7		20
cis-1,2-Dichloroethene	118		115		70-130	3		20
Dibromomethane	117		115		70-130	2		20
1,2,3-Trichloropropane	92		94		64-130	2		20
Acrylonitrile	93		101		70-130	8		20
Diisopropyl Ether	110		109		70-130	1		20
Tert-Butyl Alcohol	84		81		70-130	4		20
Styrene	122		132	Q	70-130	8		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

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: WG698023-1 WG698023-2								
Dichlorodifluoromethane	98		94		36-147	4		20
Acetone	107		105		58-148	2		20
Carbon disulfide	103		99		51-130	4		20
2-Butanone	114		105		63-138	8		20
Vinyl acetate	119		106		70-130	12		20
4-Methyl-2-pentanone	103		95		59-130	8		20
2-Hexanone	84		82		57-130	2		20
Bromochloromethane	102		99		70-130	3		20
2,2-Dichloropropane	121		112		63-133	8		20
1,2-Dibromoethane	100		95		70-130	5		20
1,3-Dichloropropane	108		109		70-130	1		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	95		104		70-130	9		20
n-Butylbenzene	105		111		53-136	6		20
sec-Butylbenzene	104		107		70-130	3		20
tert-Butylbenzene	99		105		70-130	6		20
o-Chlorotoluene	105		112		70-130	6		20
p-Chlorotoluene	100		106		70-130	6		20
1,2-Dibromo-3-chloropropane	82		70		41-144	16		20
Hexachlorobutadiene	92		86		63-130	7		20
Isopropylbenzene	99		106		70-130	7		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

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: WG698023-1 WG698023-2								
p-Isopropyltoluene	109		106		70-130	3		20
Naphthalene	80		74		70-130	8		20
n-Propylbenzene	102		113		69-130	10		20
1,2,3-Trichlorobenzene	83		78		70-130	6		20
1,2,4-Trichlorobenzene	85		80		70-130	6		20
1,3,5-Trimethylbenzene	106		114		64-130	7		20
1,2,4-Trimethylbenzene	102		107		70-130	5		20
Methyl Acetate	110		106		70-130	4		20
Ethyl Acetate	115		106		70-130	8		20
Cyclohexane	118		116		70-130	2		20
Ethyl-Tert-Butyl-Ether	101		101		70-130	0		20
Tertiary-Amyl Methyl Ether	100		94		66-130	6		20
1,4-Dioxane	106		102		56-162	4		20
Freon-113	111		114		70-130	3		20
p-Diethylbenzene	105		109		70-130	4		20
p-Ethyltoluene	102		109		70-130	7		20
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		20
Ethyl ether	104		98		59-134	6		20
trans-1,4-Dichloro-2-butene	78		75		70-130	4		20
Methyl cyclohexane	114		113		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

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: WG698023-1 WG698023-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		98		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	89		93		70-130
Dibromofluoromethane	103		102		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01
Client ID: G2-SOUTH-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/13/14 23:50
Analyst: PS
Percent Solids: 83%

Date Collected: 06/10/14 13:30
Date Received: 06/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/14 11:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01

Date Collected: 06/10/14 13:30

Client ID: G2-SOUTH-SW-10FTBG

Date Received: 06/10/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01

Date Collected: 06/10/14 13:30

Client ID: G2-SOUTH-SW-10FTBG

Date Received: 06/10/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	88		0-136
4-Terphenyl-d14	84		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/13/14 16:32
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/11/14 11:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696956-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/13/14 16:32
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/11/14 11:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696956-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/13/14 16:32
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/11/14 11:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696956-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
1-Methylnaphthalene	ND		ug/kg	160	49.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	80		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696956-2 WG696956-3								
Acenaphthene	81		82		31-137	1		50
Benzidine	48		48			0		50
n-Nitrosodimethylamine	74		78			5		50
1,2,4-Trichlorobenzene	77		79		38-107	3		50
Hexachlorobenzene	88		88		40-140	0		50
Bis(2-chloroethyl)ether	73		74		40-140	1		50
2-Chloronaphthalene	80		79		40-140	1		50
1,2-Dichlorobenzene	75		77		40-140	3		50
1,3-Dichlorobenzene	77		79		40-140	3		50
1,4-Dichlorobenzene	77		78		28-104	1		50
3,3'-Dichlorobenzidine	69		69		40-140	0		50
2,4-Dinitrotoluene	97	Q	98	Q	28-89	1		50
2,6-Dinitrotoluene	90		88		40-140	2		50
Fluoranthene	90		90		40-140	0		50
4-Chlorophenyl phenyl ether	83		84		40-140	1		50
4-Bromophenyl phenyl ether	85		81		40-140	5		50
Azobenzene	82		81		40-140	1		50
Bis(2-chloroisopropyl)ether	68		69		40-140	1		50
Bis(2-chloroethoxy)methane	71		71		40-117	0		50
Hexachlorobutadiene	79		82		40-140	4		50
Hexachlorocyclopentadiene	96		97		40-140	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696956-2 WG696956-3								
Hexachloroethane	75		78		40-140	4		50
Isophorone	72		71		40-140	1		50
Naphthalene	77		80		40-140	4		50
Nitrobenzene	75		79		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	86		88			2		50
n-Nitrosodi-n-propylamine	74		72		32-121	3		50
Bis(2-Ethylhexyl)phthalate	93		90		40-140	3		50
Butyl benzyl phthalate	101		98		40-140	3		50
Di-n-butylphthalate	90		87		40-140	3		50
Di-n-octylphthalate	105		102		40-140	3		50
Diethyl phthalate	84		83		40-140	1		50
Dimethyl phthalate	85		84		40-140	1		50
Benzo(a)anthracene	87		88		40-140	1		50
Benzo(a)pyrene	91		92		40-140	1		50
Benzo(b)fluoranthene	85		87		40-140	2		50
Benzo(k)fluoranthene	83		84		40-140	1		50
Chrysene	83		86		40-140	4		50
Acenaphthylene	83		82		40-140	1		50
Anthracene	88		90		40-140	2		50
Benzo(ghi)perylene	88		90		40-140	2		50
Fluorene	84		86		40-140	2		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696956-2 WG696956-3								
Phenanthrene	85		87		40-140	2		50
Dibenzo(a,h)anthracene	92		93		40-140	1		50
Indeno(1,2,3-cd)Pyrene	96		97		40-140	1		50
Pyrene	89		89		35-142	0		50
Biphenyl	78		80			3		50
Aniline	51		53		40-140	4		50
4-Chloroaniline	56		56		40-140	0		50
2-Nitroaniline	96		93		47-134	3		50
3-Nitroaniline	70		72		26-129	3		50
4-Nitroaniline	93		96		41-125	3		50
Dibenzofuran	82		84		40-140	2		50
2-Methylnaphthalene	78		79		40-140	1		50
1,2,4,5-Tetrachlorobenzene	76		80		40-117	5		50
Acetophenone	77		78		14-144	1		50
2,4,6-Trichlorophenol	85		83		30-130	2		50
P-Chloro-M-Cresol	86		84		26-103	2		50
2-Chlorophenol	79		80		25-102	1		50
2,4-Dichlorophenol	85		85		30-130	0		50
2,4-Dimethylphenol	85		83		30-130	2		50
2-Nitrophenol	80		83		30-130	4		50
4-Nitrophenol	96		94		11-114	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696956-2 WG696956-3								
2,4-Dinitrophenol	76		75		4-130	1		50
4,6-Dinitro-o-cresol	80		84		10-130	5		50
Pentachlorophenol	90		90		17-109	0		50
Phenol	76		78		26-90	3		50
2-Methylphenol	78		79		30-130.	1		50
3-Methylphenol/4-Methylphenol	77		77		30-130	0		50
2,4,5-Trichlorophenol	88		86		30-130	2		50
Benzoic Acid	30		32			6		50
Benzyl Alcohol	73		74		40-140	1		50
Carbazole	89		89		54-128	0		50
Benzaldehyde	85		88			3		50
Caprolactam	91		89			2		50
Atrazine	114		110			4		50
2,3,4,6-Tetrachlorophenol	90		90			0		50
Pyridine	65		64		10-93	2		50
1-Methylnaphthalene	76		78		26-130	3		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412615**Report Date:** 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696956-2 WG696956-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		78		25-120
Phenol-d6	76		76		10-120
Nitrobenzene-d5	73		73		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	89		89		0-136
4-Terphenyl-d14	87		85		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01
Client ID: G2-SOUTH-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/14 11:41
Analyst: JT
Percent Solids: 83%

Date Collected: 06/10/14 13:30
Date Received: 06/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/14 16:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/12/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.08	1	A
Aroclor 1221	ND		ug/kg	39.0	3.60	1	A
Aroclor 1232	ND		ug/kg	39.0	4.57	1	A
Aroclor 1242	ND		ug/kg	39.0	4.78	1	A
Aroclor 1248	ND		ug/kg	39.0	3.29	1	A
Aroclor 1254	ND		ug/kg	39.0	3.21	1	A
Aroclor 1260	ND		ug/kg	39.0	2.97	1	A
Aroclor 1262	ND		ug/kg	39.0	1.94	1	A
Aroclor 1268	ND		ug/kg	39.0	5.66	1	A
PCBs, Total	ND		ug/kg	39.0	1.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/12/14 09:11
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 06/11/14 16:37
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/12/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG697091-1						
Aroclor 1016	ND		ug/kg	32.6	2.58	A
Aroclor 1221	ND		ug/kg	32.6	3.01	A
Aroclor 1232	ND		ug/kg	32.6	3.83	A
Aroclor 1242	ND		ug/kg	32.6	4.00	A
Aroclor 1248	ND		ug/kg	32.6	2.76	A
Aroclor 1254	ND		ug/kg	32.6	2.68	A
Aroclor 1260	ND		ug/kg	32.6	2.49	A
Aroclor 1262	ND		ug/kg	32.6	1.62	A
Aroclor 1268	ND		ug/kg	32.6	4.74	A
PCBs, Total	ND		ug/kg	32.6	1.62	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	64		30-150	A
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG697091-2 WG697091-3									
Aroclor 1016	107		77		40-140	33		50	A
Aroclor 1260	111		83		40-140	29		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		75		30-150	A
Decachlorobiphenyl	96		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		69		30-150	B
Decachlorobiphenyl	100		71		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412615**Project Number:** E040**Report Date:** 06/17/14**SAMPLE RESULTS**

Lab ID: L1412615-01
Client ID: G2-SOUTH-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/14 23:41
Analyst: GP
Percent Solids: 83%

Date Collected: 06/10/14 13:30
Date Received: 06/10/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/14 16:29
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.775	0.346	1	A
Alpha-BHC	ND		ug/kg	0.775	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.705	1	A
Heptachlor	ND		ug/kg	0.930	0.417	1	A
Aldrin	ND		ug/kg	1.86	0.655	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.04	1	A
Endrin	ND		ug/kg	0.775	0.318	1	A
Dieldrin	ND		ug/kg	1.16	0.581	1	A
4,4'-DDE	ND		ug/kg	1.86	0.430	1	A
4,4'-DDD	ND		ug/kg	1.86	0.663	1	A
4,4'-DDT	ND		ug/kg	3.49	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.439	1	A
Endosulfan II	ND		ug/kg	1.86	0.621	1	A
Endosulfan sulfate	ND		ug/kg	0.775	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.08	1	A
cis-Chlordane	ND		ug/kg	2.32	0.648	1	A
trans-Chlordane	ND		ug/kg	2.32	0.614	1	A
Chlordane	ND		ug/kg	15.1	6.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/12/14 23:01
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 06/11/14 16:29
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 06/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG697087-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.657	0.294	A
Alpha-BHC	ND		ug/kg	0.657	0.186	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.788	0.353	A
Aldrin	ND		ug/kg	1.58	0.555	A
Heptachlor epoxide	ND		ug/kg	2.96	0.887	A
Endrin	ND		ug/kg	0.657	0.269	A
Dieldrin	ND		ug/kg	0.986	0.493	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.562	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.372	A
Endosulfan II	ND		ug/kg	1.58	0.527	A
Endosulfan sulfate	ND		ug/kg	0.657	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.920	A
cis-Chlordane	ND		ug/kg	1.97	0.549	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	12.8	5.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	85		30-150	B
Decachlorobiphenyl	89		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG697087-2 WG697087-3									
Delta-BHC	93		94		30-150	1		30	A
Lindane	92		93		30-150	1		30	A
Alpha-BHC	96		97		30-150	1		30	A
Beta-BHC	82		79		30-150	4		30	A
Heptachlor	102		103		30-150	1		30	A
Aldrin	96		97		30-150	1		30	A
Heptachlor epoxide	89		90		30-150	1		30	A
Endrin	94		94		30-150	0		30	A
Endrin ketone	87		86		30-150	1		30	A
Dieldrin	93		93		30-150	0		30	A
4,4'-DDE	91		91		30-150	0		30	A
4,4'-DDD	98		97		30-150	1		30	A
4,4'-DDT	113		112		30-150	1		30	A
Endosulfan I	92		93		30-150	1		30	A
Endosulfan II	91		91		30-150	0		30	A
Endosulfan sulfate	86		86		30-150	0		30	A
Methoxychlor	99		97		30-150	2		30	A
cis-Chlordane	89		89		30-150	0		30	A
trans-Chlordane	91		91		30-150	0		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG697087-2 WG697087-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		78		30-150	A
Decachlorobiphenyl	83		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		78		30-150	B
Decachlorobiphenyl	79		79		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

SAMPLE RESULTS

Lab ID: L1412615-01

Date Collected: 06/10/14 13:30

Client ID: G2-SOUTH-SW-10FTBG

Date Received: 06/10/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.5	1.9	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Antimony, Total	1.1	J	mg/kg	4.7	0.76	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Arsenic, Total	2.0		mg/kg	0.95	0.19	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Barium, Total	32		mg/kg	0.95	0.28	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Beryllium, Total	0.24	J	mg/kg	0.47	0.10	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.95	0.07	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Calcium, Total	800		mg/kg	9.5	2.8	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Chromium, Total	10		mg/kg	0.95	0.19	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Cobalt, Total	3.5		mg/kg	1.9	0.47	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Copper, Total	11		mg/kg	0.95	0.19	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Iron, Total	8600		mg/kg	4.7	1.9	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Lead, Total	2.5	J	mg/kg	4.7	0.19	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Magnesium, Total	1400		mg/kg	9.5	0.95	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.95	0.19	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	06/12/14 07:50	06/12/14 12:24	EPA 7471B	1,7471B	MC
Nickel, Total	8.7		mg/kg	2.4	0.38	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Potassium, Total	750		mg/kg	240	38.	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.95	0.19	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Sodium, Total	490		mg/kg	190	28.	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Vanadium, Total	12		mg/kg	0.95	0.10	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG
Zinc, Total	13		mg/kg	4.7	0.66	2	06/16/14 18:57	06/17/14 09:33	EPA 3050B	1,6010C	MG



Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG697203-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/12/14 07:50	06/12/14 11:35	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG698295-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Lead, Total	0.48	J	mg/kg	2.0	0.08	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/16/14 18:57	06/17/14 09:11	1,6010C	MG

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG697203-2 SRM Lot Number: 0518-10-02								
Mercury, Total	121		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG698295-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	88	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	109	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	102	-	82-117	-	
Calcium, Total	86	-	83-117	-	
Chromium, Total	101	-	80-119	-	
Cobalt, Total	103	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	102	-	83-117	-	
Nickel, Total	104	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	100	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412615**Report Date:** 06/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG698295-2 SRM Lot Number: 0518-10-02					
Zinc, Total	100	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1412615

Project Number: E040

Report Date: 06/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG697203-4 QC Sample: L1412610-03 Client ID: MS Sample												
Mercury, Total	ND	0.158	0.19	121	Q	-	-		80-120	-		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG698295-3 WG698295-4 QC Sample: L1412714-05 Client ID: MS Sample									
Aluminum, Total	8800	226	9300	221	Q	9100	135	Q	75-125 2 20
Antimony, Total	ND	56.4	32	57	Q	32	58	Q	75-125 0 20
Arsenic, Total	5.0	13.5	17	88		17	90		75-125 0 20
Barium, Total	33.	226	180	65	Q	180	66	Q	75-125 0 20
Beryllium, Total	0.54	5.64	4.2	65	Q	4.3	68	Q	75-125 2 20
Cadmium, Total	ND	5.76	3.7	64	Q	3.9	69	Q	75-125 5 20
Calcium, Total	1600	1130	2200	53	Q	2200	54	Q	75-125 0 20
Chromium, Total	20.	22.6	34	62	Q	35	68	Q	75-125 3 20
Cobalt, Total	6.9	56.4	42	62	Q	43	65	Q	75-125 2 20
Copper, Total	7.7	28.2	27	68	Q	28	73	Q	75-125 4 20
Iron, Total	20000	113	22000	1770	Q	21000	901	Q	75-125 5 20
Lead, Total	1.0J	57.6	40	69	Q	41	72	Q	75-125 2 20
Magnesium, Total	2800	1130	3300	44	Q	3400	54	Q	75-125 3 20
Manganese, Total	210	56.4	250	71	Q	230	36	Q	75-125 8 20
Nickel, Total	9.7	56.4	44	61	Q	45	64	Q	75-125 2 20
Potassium, Total	2000	1130	2800	71	Q	2800	72	Q	75-125 0 20
Selenium, Total	ND	13.5	8.5	63	Q	9.1	68	Q	75-125 7 20
Silver, Total	ND	33.9	24	71	Q	24	72	Q	75-125 0 20
Sodium, Total	120	1130	960	74	Q	980	77		75-125 2 20
Thallium, Total	ND	13.5	7.9	58	Q	8.2	62	Q	75-125 4 20
Vanadium, Total	19.	56.4	56	66	Q	58	70	Q	75-125 4 20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG698295-3 WG698295-4 QC Sample: L1412714-05 Client ID: MS Sample											
Zinc, Total	44.	56.4	76	57	Q	77	59	Q	75-125	1	20

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1412615**Report Date:** 06/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG697203-3 QC Sample: L1412610-03 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412615
Report Date: 06/17/14

SAMPLE RESULTS

Lab ID: L1412615-01
Client ID: G2-SOUTH-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil

Date Collected: 06/10/14 13:30
Date Received: 06/10/14
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	82.8		%	0.100	NA	1	-	06/11/14 21:05	30,2540G	RT



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1412615**Report Date:** 06/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG697156-1 QC Sample: L1412532-01 Client ID: DUP Sample						
Solids, Total	90.7	91.0	%	0		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412615

Report Date: 06/17/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/11/2014 00:19

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1412615-01A	5 gram Encore Sampler	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(2)
L1412615-01B	5 gram Encore Sampler	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(2)
L1412615-01C	5 gram Encore Sampler	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(2)
L1412615-01D	Plastic 2oz unpreserved for TS	A	N/A	2.7	Y	Absent	TS(7)
L1412615-01E	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1412615-01F	Amber 250ml unpreserved	A	N/A	2.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1412615-01X	Vial MeOH preserved split	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1412615-01Y	Vial Water preserved split	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1412615-01Z	Vial Water preserved split	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1412615-02A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1412615-02B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412615
Report Date: 06/17/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412615
Report Date: 06/17/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412615
Report Date: 06/17/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.

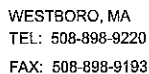
EPA 624: Volatile Halocarbons & Aromatics,

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.



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

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

PAGE 1 OF 1

Project Information

Project Name: 520 WEST 28TH STREET

Project Location: 520 W 28 ST, NYC

Project #: F040

Project Manager: ALANA CARROLL

ALPHA Quote #:

Turn-Around Time

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

Date Due: 1/17/11 Time:

Concentrations/Detection Limits:

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date _____

Time

Sample Matrix

Sampler's
Initials

12615 - 01

G2. SOUTH-SW-10 Aug

6/10/14

13:30

5

SM

-02

TRIP BLANK-6-10-14

AX

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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:	L1412376
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/13/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1412376-01	G1-SOUTH-SW-7.5FTBG	520 W 28TH ST., NYC	06/06/14 14:00
L1412376-02	TRIP BLANK-6-6-14	520 W 28TH ST., NYC	06/06/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

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.

Total Metals

L1412376-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

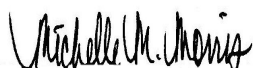
The WG696981-4 MS recoveries for aluminum (0%), iron (0%), lead (0%) and manganese (21%), performed on L1412376-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG696981-4 MS recoveries, performed on L1412376-01, are outside the acceptance criteria for magnesium (52%) and zinc (189%). A post digestion spike was performed and yielded unacceptable recoveries for magnesium (10%) and zinc (40%). This has been attributed to sample matrix.

The WG696981-3 Laboratory Duplicate RPDs, performed on L1412376-01, are outside the acceptance criteria for aluminum (26%), arsenic (54%), barium (55%), calcium (31%), copper (26%), iron (30%), lead (97%), manganese (25%), potassium (23%) and sodium (31%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/13/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01
Client ID: G1-SOUTH-SW-7.5FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/14 14:13
Analyst: BN
Percent Solids: 80%

Date Collected: 06/06/14 14:00
Date Received: 06/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01

Date Collected: 06/06/14 14:00

Client ID: G1-SOUTH-SW-7.5FTBG

Date Received: 06/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylene (Total)	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	ND		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01

Date Collected: 06/06/14 14:00

Client ID: G1-SOUTH-SW-7.5FTBG

Date Received: 06/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	100	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.1	0.16	1
4-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-02
Client ID: TRIP BLANK-6-6-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/10/14 19:55
Analyst: PD

Date Collected: 06/06/14 00:00
Date Received: 06/06/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-02

Date Collected: 06/06/14 00:00

Client ID: TRIP BLANK-6-6-14

Date Received: 06/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-02

Date Collected: 06/06/14 00:00

Client ID: TRIP BLANK-6-6-14

Date Received: 06/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	112		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/10/14 10:36

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/11/14 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696942-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/11/14 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696942-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
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	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10



Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/11/14 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696942-3					
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/11/14 08:54

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696942-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
Methylene chloride	111		109		70-130	2		20
1,1-Dichloroethane	114		112		70-130	2		20
Chloroform	111		111		70-130	0		20
2-Chloroethylvinyl ether	92		85		70-130	8		20
Carbon tetrachloride	104		108		63-132	4		20
1,2-Dichloropropane	113		110		70-130	3		20
Dibromochloromethane	102		101		63-130	1		20
1,1,2-Trichloroethane	117		111		70-130	5		20
Tetrachloroethene	104		108		70-130	4		20
Chlorobenzene	109		109		75-130	0		20
Trichlorofluoromethane	95		92		62-150	3		20
1,2-Dichloroethane	118		114		70-130	3		20
1,1,1-Trichloroethane	101		106		67-130	5		20
Bromodichloromethane	116		111		67-130	4		20
trans-1,3-Dichloropropene	109		105		70-130	4		20
cis-1,3-Dichloropropene	103		102		70-130	1		20
1,1-Dichloropropene	101		108		70-130	7		20
Bromoform	88		85		54-136	3		20
1,1,2,2-Tetrachloroethane	101		98		67-130	3		20
Benzene	106		110		70-130	4		20
Toluene	105		108		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
Ethylbenzene	113		111		70-130	2		20
Chloromethane	110		103		64-130	7		20
Bromomethane	77		82		39-139	6		20
Vinyl chloride	121		125		55-140	3		20
Chloroethane	106		102		55-138	4		20
1,1-Dichloroethene	99		95		61-145	4		20
trans-1,2-Dichloroethene	107		107		70-130	0		20
Trichloroethene	107		107		70-130	0		20
1,2-Dichlorobenzene	106		103		70-130	3		20
1,3-Dichlorobenzene	104		104		70-130	0		20
1,4-Dichlorobenzene	104		105		70-130	1		20
Methyl tert butyl ether	98		98		63-130	0		20
p/m-Xylene	121		119		70-130	2		20
o-Xylene	119		121		70-130	2		20
cis-1,2-Dichloroethene	110		109		70-130	1		20
Dibromomethane	125		117		70-130	7		20
1,2,3-Trichloropropane	98		98		64-130	0		20
Acrylonitrile	112		97		70-130	14		20
Diisopropyl Ether	107		105		70-130	2		20
Tert-Butyl Alcohol	89		85		70-130	5		20
Styrene	124		123		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
Dichlorodifluoromethane	82		73		36-147	12		20
Acetone	109		88		58-148	21	Q	20
Carbon disulfide	102		96		51-130	6		20
2-Butanone	130		112		63-138	15		20
Vinyl acetate	123		109		70-130	12		20
4-Methyl-2-pentanone	104		94		59-130	10		20
2-Hexanone	98		90		57-130	9		20
Bromochloromethane	95		99		70-130	4		20
2,2-Dichloropropane	106		105		63-133	1		20
1,2-Dibromoethane	107		104		70-130	3		20
1,3-Dichloropropane	114		106		70-130	7		20
1,1,1,2-Tetrachloroethane	113		110		64-130	3		20
Bromobenzene	99		101		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	103		106		70-130	3		20
tert-Butylbenzene	100		103		70-130	3		20
o-Chlorotoluene	106		109		70-130	3		20
p-Chlorotoluene	102		106		70-130	4		20
1,2-Dibromo-3-chloropropane	94		88		41-144	7		20
Hexachlorobutadiene	98		96		63-130	2		20
Isopropylbenzene	96		101		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

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: WG696610-1 WG696610-2								
p-Isopropyltoluene	105		107		70-130	2		20
Naphthalene	98		86		70-130	13		20
n-Propylbenzene	102		106		69-130	4		20
1,2,3-Trichlorobenzene	98		88		70-130	11		20
1,2,4-Trichlorobenzene	96		90		70-130	6		20
1,3,5-Trimethylbenzene	107		108		64-130	1		20
1,2,4-Trimethylbenzene	105		106		70-130	1		20
Methyl Acetate	120		110		70-130	9		20
Ethyl Acetate	116		103		70-130	12		20
Cyclohexane	100		108		70-130	8		20
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		20
Tertiary-Amyl Methyl Ether	98		99		66-130	1		20
1,4-Dioxane	91		98		56-162	7		20
Freon-113	111		110		70-130	1		20
p-Diethylbenzene	109		110		70-130	1		20
p-Ethyltoluene	104		105		70-130	1		20
1,2,4,5-Tetramethylbenzene	103		103		70-130	0		20
Ethyl ether	108		100		59-134	8		20
trans-1,4-Dichloro-2-butene	87		88		70-130	1		20
Methyl cyclohexane	104		106		70-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

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: WG696610-1 WG696610-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	97		101		70-130
4-Bromofluorobenzene	90		96		70-130
Dibromofluoromethane	104		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696942-1 WG696942-2								
Methylene chloride	105		106		70-130	1		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	98		98		70-130	0		30
Carbon tetrachloride	86		86		70-130	0		30
1,2-Dichloropropane	106		107		70-130	1		30
Dibromochloromethane	98		100		70-130	2		30
1,1,2-Trichloroethane	108		110		70-130	2		30
Tetrachloroethene	92		92		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	88		87		70-139	1		30
1,2-Dichloroethane	102		103		70-130	1		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	98		99		70-130	1		30
trans-1,3-Dichloropropene	108		109		70-130	1		30
cis-1,3-Dichloropropene	99		101		70-130	2		30
1,1-Dichloropropene	96		95		70-130	1		30
Bromoform	98		101		70-130	3		30
1,1,2,2-Tetrachloroethane	112		113		70-130	1		30
Benzene	98		99		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	96		96		70-130	0		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696942-1 WG696942-2								
Chloromethane	118		116		52-130	2		30
Bromomethane	106		104		57-147	2		30
Vinyl chloride	101		99		67-130	2		30
Chloroethane	106		106		50-151	0		30
1,1-Dichloroethene	94		93		65-135	1		30
trans-1,2-Dichloroethene	96		95		70-130	1		30
Trichloroethene	93		94		70-130	1		30
1,2-Dichlorobenzene	99		101		70-130	2		30
1,3-Dichlorobenzene	99		100		70-130	1		30
1,4-Dichlorobenzene	100		101		70-130	1		30
Methyl tert butyl ether	97		99		66-130	2		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Dibromomethane	99		101		70-130	2		30
Styrene	92		93		70-130	1		30
Dichlorodifluoromethane	93		91		30-146	2		30
Acetone	126		125		54-140	1		30
Carbon disulfide	101		100		59-130	1		30
2-Butanone	116		116		70-130	0		30
Vinyl acetate	113		115		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696942-1 WG696942-2								
4-Methyl-2-pentanone	103		105		70-130	2		30
1,2,3-Trichloropropane	112		114		68-130	2		30
2-Hexanone	115		114		70-130	1		30
Bromochloromethane	96		96		70-130	0		30
2,2-Dichloropropane	102		100		70-130	2		30
1,2-Dibromoethane	102		106		70-130	4		30
1,3-Dichloropropane	106		108		69-130	2		30
1,1,1,2-Tetrachloroethane	96		97		70-130	1		30
Bromobenzene	100		101		70-130	1		30
n-Butylbenzene	105		104		70-130	1		30
sec-Butylbenzene	97		98		70-130	1		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	106		107		70-130	1		30
p-Chlorotoluene	104		105		70-130	1		30
1,2-Dibromo-3-chloropropane	98		104		68-130	6		30
Hexachlorobutadiene	96		95		67-130	1		30
Isopropylbenzene	96		97		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	107		109		70-130	2		30
Acrylonitrile	118		121		70-130	3		30
Isopropyl Ether	114		116		66-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696942-1 WG696942-2								
tert-Butyl Alcohol	108		108		70-130	0		30
n-Propylbenzene	102		102		70-130	0		30
1,2,3-Trichlorobenzene	104		104		70-130	0		30
1,2,4-Trichlorobenzene	105		106		70-130	1		30
1,3,5-Trimethylbenzene	101		101		70-130	0		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
Methyl Acetate	125		126		51-146	1		30
Ethyl Acetate	123		124		70-130	1		30
Acrolein	152	Q	149	Q	70-130	2		30
Cyclohexane	101		98		59-142	3		30
1,4-Dioxane	90		90		65-136	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		93		50-139	1		30
1,4-Diethylbenzene	98		97		70-130	1		30
4-Ethyltoluene	100		100		70-130	0		30
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		30
Tetrahydrofuran	118		117		66-130	1		30
Ethyl ether	93		93		67-130	0		30
trans-1,4-Dichloro-2-butene	117		119		70-130	2		30
Methyl cyclohexane	92		89		70-130	3		30
Ethyl-Tert-Butyl-Ether	104		106		70-130	2		30
Tertiary-Amyl Methyl Ether	98		101		70-130	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696942-1 WG696942-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01
Client ID: G1-SOUTH-SW-7.5FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/14 02:59
Analyst: JB
Percent Solids: 80%

Date Collected: 06/06/14 14:00
Date Received: 06/06/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/14 16:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	220		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	110	J	ug/kg	120	40.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01

Date Collected: 06/06/14 14:00

Client ID: G1-SOUTH-SW-7.5FTBG

Date Received: 06/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	110	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	130		ug/kg	120	41.	1
Benzo(k)fluoranthene	54	J	ug/kg	120	39.	1
Chrysene	120		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	71	J	ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	120		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	73	J	ug/kg	160	45.	1
Pyrene	190		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01

Date Collected: 06/06/14 14:00

Client ID: G1-SOUTH-SW-7.5FTBG

Date Received: 06/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	97		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:39
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:39
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:39
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:39
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 17:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG696349-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
Acenaphthene	92		93		31-137	1		50
Benzidine	24		31			25		50
n-Nitrosodimethylamine	78		84			7		50
1,2,4-Trichlorobenzene	83		89		38-107	7		50
Hexachlorobenzene	103		103		40-140	0		50
Bis(2-chloroethyl)ether	78		83		40-140	6		50
2-Chloronaphthalene	86		89		40-140	3		50
1,2-Dichlorobenzene	81		84		40-140	4		50
1,3-Dichlorobenzene	80		83		40-140	4		50
1,4-Dichlorobenzene	79		86		28-104	8		50
3,3'-Dichlorobenzidine	69		66		40-140	4		50
2,4-Dinitrotoluene	95	Q	99	Q	28-89	4		50
2,6-Dinitrotoluene	93		95		40-140	2		50
Fluoranthene	98		98		40-140	0		50
4-Chlorophenyl phenyl ether	94		95		40-140	1		50
4-Bromophenyl phenyl ether	96		99		40-140	3		50
Azobenzene	84		89		40-140	6		50
Bis(2-chloroisopropyl)ether	72		78		40-140	8		50
Bis(2-chloroethoxy)methane	79		83		40-117	5		50
Hexachlorobutadiene	83		87		40-140	5		50
Hexachlorocyclopentadiene	78		82		40-140	5		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
Hexachloroethane	76		82		40-140	8		50
Isophorone	79		82		40-140	4		50
Naphthalene	82		88		40-140	7		50
Nitrobenzene	79		86		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	97		101			4		50
n-Nitrosodi-n-propylamine	78		80		32-121	3		50
Bis(2-Ethylhexyl)phthalate	88		91		40-140	3		50
Butyl benzyl phthalate	89		95		40-140	7		50
Di-n-butylphthalate	92		95		40-140	3		50
Di-n-octylphthalate	86		91		40-140	6		50
Diethyl phthalate	91		94		40-140	3		50
Dimethyl phthalate	95		94		40-140	1		50
Benzo(a)anthracene	95		98		40-140	3		50
Benzo(a)pyrene	96		97		40-140	1		50
Benzo(b)fluoranthene	94		96		40-140	2		50
Benzo(k)fluoranthene	97		100		40-140	3		50
Chrysene	96		99		40-140	3		50
Acenaphthylene	89		93		40-140	4		50
Anthracene	102		103		40-140	1		50
Benzo(ghi)perylene	90		90		40-140	0		50
Fluorene	95		98		40-140	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
Phenanthrene	97		102		40-140	5		50
Dibenzo(a,h)anthracene	89		90		40-140	1		50
Indeno(1,2,3-cd)Pyrene	87		89		40-140	2		50
Pyrene	97		99		35-142	2		50
Biphenyl	85		88			3		50
Aniline	52		55		40-140	6		50
4-Chloroaniline	59		54		40-140	9		50
2-Nitroaniline	92		95		47-134	3		50
3-Nitroaniline	73		70		26-129	4		50
4-Nitroaniline	88		90		41-125	2		50
Dibenzofuran	92		95		40-140	3		50
2-Methylnaphthalene	84		86		40-140	2		50
1,2,4,5-Tetrachlorobenzene	88		89		40-117	1		50
Acetophenone	81		83		14-144	2		50
2,4,6-Trichlorophenol	93		98		30-130	5		50
P-Chloro-M-Cresol	95		98		26-103	3		50
2-Chlorophenol	82		90		25-102	9		50
2,4-Dichlorophenol	95		95		30-130	0		50
2,4-Dimethylphenol	89		88		30-130	1		50
2-Nitrophenol	86		87		30-130	1		50
4-Nitrophenol	96		100		11-114	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								
2,4-Dinitrophenol	88		92		4-130	4		50
4,6-Dinitro-o-cresol	98		102		10-130	4		50
Pentachlorophenol	112	Q	119	Q	17-109	6		50
Phenol	84		90		26-90	7		50
2-Methylphenol	86		88		30-130.	2		50
3-Methylphenol/4-Methylphenol	89		89		30-130	0		50
2,4,5-Trichlorophenol	96		101		30-130	5		50
Benzoic Acid	45		52			14		50
Benzyl Alcohol	82		86		40-140	5		50
Carbazole	98		99		54-128	1		50
Benzaldehyde	81		80			1		50
Caprolactam	77		88			13		50
Atrazine	98		100			2		50
2,3,4,6-Tetrachlorophenol	102		102			0		50
Pyridine	50		70		10-93	33		50
Parathion, ethyl	93		97		40-140	4		50
1-Methylnaphthalene	80		84		26-130	5		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412376**Report Date:** 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG696349-2 WG696349-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		88		25-120
Phenol-d6	88		90		10-120
Nitrobenzene-d5	80		83		23-120
2-Fluorobiphenyl	87		91		30-120
2,4,6-Tribromophenol	110		109		0-136
4-Terphenyl-d14	98		101		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01
Client ID: G1-SOUTH-SW-7.5FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/11/14 11:19
Analyst: JT
Percent Solids: 80%

Date Collected: 06/06/14 14:00
Date Received: 06/06/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/14 18:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.14	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.75	1	A
PCBs, Total	ND		ug/kg	39.7	1.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/11/14 09:03
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 18:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/11/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG696351-1						
Aroclor 1016	ND		ug/kg	32.2	2.55	A
Aroclor 1221	ND		ug/kg	32.2	2.97	A
Aroclor 1232	ND		ug/kg	32.2	3.78	A
Aroclor 1242	ND		ug/kg	32.2	3.94	A
Aroclor 1248	ND		ug/kg	32.2	2.72	A
Aroclor 1254	ND		ug/kg	32.2	2.65	A
Aroclor 1260	ND		ug/kg	32.2	2.46	A
Aroclor 1262	ND		ug/kg	32.2	1.60	A
Aroclor 1268	ND		ug/kg	32.2	4.67	A
PCBs, Total	ND		ug/kg	32.2	1.60	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	85		30-150	A
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG696351-2 WG696351-3									
Aroclor 1016	70		68		40-140	3		50	A
Aroclor 1260	81		80		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		75		30-150	A
Decachlorobiphenyl	86		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		69		30-150	B
Decachlorobiphenyl	77		76		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412376**Project Number:** E040**Report Date:** 06/13/14**SAMPLE RESULTS**

Lab ID: L1412376-01
Client ID: G1-SOUTH-SW-7.5FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/14 21:21
Analyst: JW
Percent Solids: 80%

Date Collected: 06/06/14 14:00
Date Received: 06/06/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/14 19:04
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.371	1	A
Lindane	ND		ug/kg	0.790	0.353	1	A
Alpha-BHC	ND		ug/kg	0.790	0.224	1	A
Beta-BHC	ND		ug/kg	1.90	0.719	1	A
Heptachlor	ND		ug/kg	0.948	0.425	1	A
Aldrin	ND		ug/kg	1.90	0.667	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.07	1	A
Endrin	ND		ug/kg	0.790	0.324	1	A
Dieldrin	ND		ug/kg	1.18	0.592	1	A
4,4'-DDE	ND		ug/kg	1.90	0.438	1	A
4,4'-DDD	ND		ug/kg	1.90	0.676	1	A
4,4'-DDT	ND		ug/kg	3.55	1.52	1	A
Endosulfan I	ND		ug/kg	1.90	0.448	1	A
Endosulfan II	ND		ug/kg	1.90	0.633	1	A
Endosulfan sulfate	ND		ug/kg	0.790	0.376	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
cis-Chlordane	ND		ug/kg	2.37	0.660	1	A
trans-Chlordane	ND		ug/kg	2.37	0.625	1	A
Chlordane	ND		ug/kg	15.4	6.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/11/14 16:28
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/09/14 19:04
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 06/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG696372-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.650	0.290	A
Alpha-BHC	ND		ug/kg	0.650	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.591	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.877	A
Endrin	ND		ug/kg	0.650	0.266	A
Dieldrin	ND		ug/kg	0.975	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
cis-Chlordane	ND		ug/kg	1.95	0.543	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	12.7	5.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	90		30-150	A
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG696372-2 WG696372-3									
Delta-BHC	80		75		30-150	6		30	A
Lindane	78		74		30-150	5		30	A
Alpha-BHC	83		77		30-150	8		30	A
Beta-BHC	74		74		30-150	0		30	A
Heptachlor	76		71		30-150	7		30	A
Aldrin	81		75		30-150	8		30	A
Heptachlor epoxide	81		76		30-150	6		30	A
Endrin	108		101		30-150	7		30	A
Endrin ketone	88		85		30-150	3		30	A
Dieldrin	95		88		30-150	8		30	A
4,4'-DDE	83		76		30-150	9		30	A
4,4'-DDD	91		86		30-150	6		30	A
4,4'-DDT	96		91		30-150	5		30	A
Endosulfan I	86		80		30-150	7		30	A
Endosulfan II	87		83		30-150	5		30	A
Endosulfan sulfate	84		81		30-150	4		30	A
Methoxychlor	83		80		30-150	4		30	A
cis-Chlordane	92		89		30-150	3		30	A
trans-Chlordane	83		78		30-150	6		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG696372-2 WG696372-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		62		30-150	A
Decachlorobiphenyl	95		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		59		30-150	B
Decachlorobiphenyl	93		81		30-150	B

METALS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

SAMPLE RESULTS

Lab ID: L1412376-01
Client ID: G1-SOUTH-SW-7.5FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Percent Solids: 80%

Date Collected: 06/06/14 14:00
Date Received: 06/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9600		mg/kg	9.9	2.0	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Antimony, Total	2.1	J	mg/kg	4.9	0.79	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Arsenic, Total	6.1		mg/kg	0.99	0.20	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Barium, Total	120		mg/kg	0.99	0.30	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Beryllium, Total	0.40	J	mg/kg	0.49	0.10	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Cadmium, Total	0.14	J	mg/kg	0.99	0.07	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Calcium, Total	4900		mg/kg	9.9	3.0	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Chromium, Total	17		mg/kg	0.99	0.20	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Cobalt, Total	5.9		mg/kg	2.0	0.49	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Copper, Total	35		mg/kg	0.99	0.20	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Iron, Total	19000		mg/kg	4.9	2.0	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Lead, Total	200		mg/kg	4.9	0.20	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Magnesium, Total	3000		mg/kg	9.9	0.99	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Manganese, Total	310		mg/kg	0.99	0.20	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Mercury, Total	0.09		mg/kg	0.08	0.02	1	06/10/14 08:05	06/10/14 13:10	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.5	0.40	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Potassium, Total	770		mg/kg	250	40.	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Selenium, Total	0.31	J	mg/kg	2.0	0.30	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Silver, Total	0.46	J	mg/kg	0.99	0.20	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Sodium, Total	260		mg/kg	200	30.	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.40	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Vanadium, Total	19		mg/kg	0.99	0.10	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH
Zinc, Total	160		mg/kg	4.9	0.69	2	06/11/14 13:00	06/12/14 11:19	EPA 3050B	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG696455-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/10/14 08:05	06/10/14 12:39	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG696981-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Silver, Total	0.16	J	mg/kg	0.40	0.08	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/11/14 13:00	06/12/14 11:12	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696455-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696981-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	102	-	82-117	-	
Calcium, Total	91	-	83-117	-	
Chromium, Total	101	-	80-119	-	
Cobalt, Total	101	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	86	-	51-150	-	
Lead, Total	94	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	102	-	66-134	-	
Sodium, Total	103	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412376**Report Date:** 06/13/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696981-2 SRM Lot Number: 0518-10-02					
Zinc, Total	100	-	82-119	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1412376

Project Number: E040

Report Date: 06/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696455-4 QC Sample: L1412280-01 Client ID: MS Sample												
Mercury, Total	ND	0.172	0.20	116		-	-		80-120	-		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696981-4 QC Sample: L1412376-01 Client ID: G1-SOUTH-SW-7.5FTBG									
Aluminum, Total	9600	190	8900	0	Q	-	75-125	-	20
Antimony, Total	2.1J	47.6	47	99	-	-	75-125	-	20
Arsenic, Total	6.1	11.4	16	87	-	-	75-125	-	20
Barium, Total	120	190	310	100	-	-	75-125	-	20
Beryllium, Total	0.40J	4.76	5.3	111	-	-	75-125	-	20
Cadmium, Total	0.14J	4.86	5.7	117	-	-	75-125	-	20
Calcium, Total	4900	952	6000	116	-	-	75-125	-	20
Chromium, Total	17.	19	38	110	-	-	75-125	-	20
Cobalt, Total	5.9	47.6	54	101	-	-	75-125	-	20
Copper, Total	35.	23.8	62	113	-	-	75-125	-	20
Iron, Total	19000	95.2	17000	0	Q	-	75-125	-	20
Lead, Total	200	48.6	200	0	Q	-	75-125	-	20
Magnesium, Total	3000	952	3500	52	Q	-	75-125	-	20
Manganese, Total	310	47.6	320	21	Q	-	75-125	-	20
Nickel, Total	17.	47.6	63	97	-	-	75-125	-	20
Potassium, Total	770	952	1500	77	-	-	75-125	-	20
Selenium, Total	0.31J	11.4	12	105	-	-	75-125	-	20
Silver, Total	0.46J	28.6	31	108	-	-	75-125	-	20
Sodium, Total	260	952	1100	88	-	-	75-125	-	20
Thallium, Total	ND	11.4	10	88	-	-	75-125	-	20
Vanadium, Total	19.	47.6	68	103	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696981-4 QC Sample: L1412376-01 Client ID: G1-SOUTH-SW-7.5FTBG									
Zinc, Total	160	47.6	250	189	Q	-	-	75-125	- 20

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1412376**Report Date:** 06/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696455-3 QC Sample: L1412280-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696981-3 QC Sample: L1412376-01 Client ID: G1-SOUTH-SW-7.5FTBG					
Aluminum, Total	9600	7400	mg/kg	26	Q 20
Antimony, Total	2.1J	1.8J	mg/kg	NC	20
Arsenic, Total	6.1	3.5	mg/kg	54	Q 20
Barium, Total	120	68	mg/kg	55	Q 20
Beryllium, Total	0.40J	0.31J	mg/kg	NC	20
Cadmium, Total	0.14J	0.26J	mg/kg	NC	20
Calcium, Total	4900	3600	mg/kg	31	Q 20
Chromium, Total	17.	16	mg/kg	6	20
Cobalt, Total	5.9	5.9	mg/kg	0	20
Copper, Total	35.	27	mg/kg	26	Q 20
Iron, Total	19000	14000	mg/kg	30	Q 20
Lead, Total	200	69	mg/kg	97	Q 20
Magnesium, Total	3000	2800	mg/kg	7	20
Manganese, Total	310	240	mg/kg	25	Q 20
Nickel, Total	17.	16	mg/kg	6	20
Potassium, Total	770	610	mg/kg	23	Q 20
Selenium, Total	0.31J	ND	mg/kg	NC	20
Silver, Total	0.46J	0.68J	mg/kg	NC	20
Sodium, Total	260	190	mg/kg	31	Q 20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696981-3 QC Sample: L1412376-01 Client ID: G1-SOUTH-SW-7.5FTBG					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	19.	17	mg/kg	11	20
Zinc, Total	160	170	mg/kg	6	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

SAMPLE RESULTS

Lab ID: L1412376-01
Client ID: G1-SOUTH-SW-7.5FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil

Date Collected: 06/06/14 14:00
Date Received: 06/06/14
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	80.3		%	0.100	NA	1	-	06/09/14 19:04	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412376**Report Date:** 06/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696371-1 QC Sample: L1412331-01 Client ID: DUP Sample						
Solids, Total	81.2	78.4	%	4		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412376

Report Date: 06/13/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/07/2014 03:00

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1412376-01A	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412376-01B	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412376-01C	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412376-01D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1412376-01E	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1412376-01F	Amber 250ml unpreserved	A	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1412376-01X	Vial MeOH preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1412376-01Y	Vial Water preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1412376-01Z	Vial Water preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1412376-02A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1412376-02B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412376
Report Date: 06/13/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1412260
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/12/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1412260-01	G1-SW-10FTBG	520 W 28TH ST, NYC	06/04/14 16:00
L1412260-02	TRIP BLANK	520 W 28TH ST, NYC	06/04/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

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.

Volatile Organics

The WG696859-4/-5 MS/MSD recoveries, performed on L1412260-01, are outside the acceptance criteria for carbon tetrachloride (52%/55%), 1,2-dichloropropane (MS at 68%), dibromochloromethane (53%/59%), 1,1,2-trichloroethane (MS at 65%), tetrachloroethene (46%/47%), chlorobenzene (45%/48%), trichlorofluoromethane (49%/53%), 1,1,1-trichloroethane (60%/66%), bromodichloromethane (62%/69%), trans-1,3-dichloropropene (54%/58%), cis-1,3-dichloropropene (58%/63%), 1,1-dichloropropene (57%/61%), bromoform (47%/52%), 1,1,2,2-tetrachloroethane (50%/55%), benzene (MS at 65%), toluene (50%/53%), ethylbenzene (42%/44%), trichloroethene (57%/62%), 1,2-dichlorobenzene (34%/34%), 1,3-dichlorobenzene (35%/34%), 1,4-dichlorobenzene (35%/34%), p/m-xylene (42%/42%), o-xylene (42%/43%), styrene (41%/43%), carbon disulfide (MS at 57%), vinyl acetate (58%/53%), 1,2,3-trichloropropane (53%/60%), 2,2-dichloropropane (62%/60%), 1,2-dibromoethane (58%/64%), 1,3-dichloropropane (61%/67%), 1,1,1,2-tetrachloroethane (47%/51%), bromobenzene (40%/42%), n-butylbenzene (29%/26%), sec-butylbenzene (32%/30%), tert-butylbenzene (34%/32%), o-chlorotoluene (37%/36%), p-chlorotoluene (36%/36%), 1,2-dibromo-3-chloropropane (41%/44%), hexachlorobutadiene (20%/18%), isopropylbenzene (38%/38%), p-isopropyltoluene (31%/29%), naphthalene (28%/28%), n-propylbenzene (37%/35%), 1,2,3-trichlorobenzene (24%/22%), 1,2,4-trichlorobenzene (25%/23%), 1,3,5-trimethylbenzene (35%/33%), 1,2,4-trimethylbenzene (34%/33%), 1,4-diethylbenzene (30%/29%), 4-ethyltoluene (37%/36%), 1,2,4,5-tetramethylbenzene (26%/25%), ethyl ether (57%/58%), trans-1,4-dichloro-2-butene (43%/45%), and acetone (177%/150%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics

L1412260-01 has elevated detection limits due to the dilution required by the sample matrix.

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

Case Narrative (continued)

Pesticides

L1412260-01 has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1412260-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG696819-8/-9 MS/MSD recoveries, performed on L1412260-01, is outside the acceptance criteria for mercury (71%/158%). A post digestion spike was performed and was within acceptance criteria. In addition, the MS/MSD RPD is above the acceptance criteria (47%).

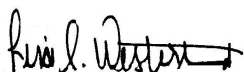
The WG696907-3 MS recoveries for aluminum (1570%/1780%) and iron (3260%/1150%), performed on L1412260-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG696907-3/-4 MS/MSD recoveries, performed on L1412260-01, is outside the acceptance criteria for calcium (MS at 130%), chromium (MS at 130%), lead (MS at 128%), magnesium (MS at 184%), manganese (217%/253%), potassium (MS at 183%), and sodium (MSD at 127%). A post digestion spike was performed and yielded an unacceptable recovery for magnesium (69%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG696907-3/-4 MSD RPDs, performed on L1412260-01, are outside the acceptance criteria for chromium (21%), magnesium (27%), and potassium (36%).

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 06/12/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01
Client ID: G1-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/14 17:23
Analyst: BN
Percent Solids: 86%

Date Collected: 06/04/14 16:00
Date Received: 06/05/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.08	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Bromodichloromethane	ND		ug/kg	0.98	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.98	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.14	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.10	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.98	0.12	1
Chloromethane	ND		ug/kg	4.9	0.29	1
Bromomethane	ND		ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.13	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01

Date Collected: 06/04/14 16:00

Client ID: G1-SW-10FTBG

Date Received: 06/05/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.08	1
p/m-Xylene	ND		ug/kg	2.0	0.19	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylene (Total)	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.14	1
1,2-Dichloroethene (total)	ND		ug/kg	0.98	0.14	1
Dibromomethane	ND		ug/kg	9.8	0.16	1
Styrene	ND		ug/kg	2.0	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.19	1
Acetone	39		ug/kg	9.8	1.0	1
Carbon disulfide	ND		ug/kg	9.8	1.1	1
2-Butanone	10		ug/kg	9.8	0.27	1
Vinyl acetate	ND		ug/kg	9.8	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.16	1
2-Hexanone	ND		ug/kg	9.8	0.65	1
Bromochloromethane	ND		ug/kg	4.9	0.27	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.98	0.11	1
sec-Butylbenzene	ND		ug/kg	0.98	0.12	1
tert-Butylbenzene	ND		ug/kg	4.9	0.13	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.39	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.22	1
Isopropylbenzene	ND		ug/kg	0.98	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.12	1
Naphthalene	ND		ug/kg	4.9	0.14	1
Acrylonitrile	ND		ug/kg	9.8	0.50	1
n-Propylbenzene	ND		ug/kg	0.98	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	0.24	J	ug/kg	4.9	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01
 Client ID: G1-SW-10FTBG
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 06/04/14 16:00
 Date Received: 06/05/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	98	14.	1
1,4-Diethylbenzene	0.25	J	ug/kg	3.9	0.16	1
4-Ethyltoluene	ND		ug/kg	3.9	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-02
Client ID: TRIP BLANK
Sample Location: 520 W 28TH ST, NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/10/14 17:01
Analyst: PD

Date Collected: 06/04/14 00:00
Date Received: 06/05/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-02
 Client ID: TRIP BLANK
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 06/04/14 00:00
 Date Received: 06/05/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-02

Date Collected: 06/04/14 00:00

Client ID: TRIP BLANK

Date Received: 06/05/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	116		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/14 10:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG696610-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 09:28
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696859-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.84	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 09:28
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696859-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.3	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
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	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10



Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/14 09:28
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696859-3					
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/10/14 09:28

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696859-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

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: WG696610-1 WG696610-2								
Methylene chloride	111		109		70-130	2		20
1,1-Dichloroethane	114		112		70-130	2		20
Chloroform	111		111		70-130	0		20
2-Chloroethylvinyl ether	92		85		70-130	8		20
Carbon tetrachloride	104		108		63-132	4		20
1,2-Dichloropropane	113		110		70-130	3		20
Dibromochloromethane	102		101		63-130	1		20
1,1,2-Trichloroethane	117		111		70-130	5		20
Tetrachloroethene	104		108		70-130	4		20
Chlorobenzene	109		109		75-130	0		20
Trichlorofluoromethane	95		92		62-150	3		20
1,2-Dichloroethane	118		114		70-130	3		20
1,1,1-Trichloroethane	101		106		67-130	5		20
Bromodichloromethane	116		111		67-130	4		20
trans-1,3-Dichloropropene	109		105		70-130	4		20
cis-1,3-Dichloropropene	103		102		70-130	1		20
1,1-Dichloropropene	101		108		70-130	7		20
Bromoform	88		85		54-136	3		20
1,1,2,2-Tetrachloroethane	101		98		67-130	3		20
Benzene	106		110		70-130	4		20
Toluene	105		108		70-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

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: WG696610-1 WG696610-2								
Ethylbenzene	113		111		70-130	2		20
Chloromethane	110		103		64-130	7		20
Bromomethane	77		82		39-139	6		20
Vinyl chloride	121		125		55-140	3		20
Chloroethane	106		102		55-138	4		20
1,1-Dichloroethene	99		95		61-145	4		20
trans-1,2-Dichloroethene	107		107		70-130	0		20
Trichloroethene	107		107		70-130	0		20
1,2-Dichlorobenzene	106		103		70-130	3		20
1,3-Dichlorobenzene	104		104		70-130	0		20
1,4-Dichlorobenzene	104		105		70-130	1		20
Methyl tert butyl ether	98		98		63-130	0		20
p/m-Xylene	121		119		70-130	2		20
o-Xylene	119		121		70-130	2		20
cis-1,2-Dichloroethene	110		109		70-130	1		20
Dibromomethane	125		117		70-130	7		20
1,2,3-Trichloropropane	98		98		64-130	0		20
Acrylonitrile	112		97		70-130	14		20
Diisopropyl Ether	107		105		70-130	2		20
Tert-Butyl Alcohol	89		85		70-130	5		20
Styrene	124		123		70-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

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: WG696610-1 WG696610-2								
Dichlorodifluoromethane	82		73		36-147	12		20
Acetone	109		88		58-148	21	Q	20
Carbon disulfide	102		96		51-130	6		20
2-Butanone	130		112		63-138	15		20
Vinyl acetate	123		109		70-130	12		20
4-Methyl-2-pentanone	104		94		59-130	10		20
2-Hexanone	98		90		57-130	9		20
Bromochloromethane	95		99		70-130	4		20
2,2-Dichloropropane	106		105		63-133	1		20
1,2-Dibromoethane	107		104		70-130	3		20
1,3-Dichloropropane	114		106		70-130	7		20
1,1,1,2-Tetrachloroethane	113		110		64-130	3		20
Bromobenzene	99		101		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	103		106		70-130	3		20
tert-Butylbenzene	100		103		70-130	3		20
o-Chlorotoluene	106		109		70-130	3		20
p-Chlorotoluene	102		106		70-130	4		20
1,2-Dibromo-3-chloropropane	94		88		41-144	7		20
Hexachlorobutadiene	98		96		63-130	2		20
Isopropylbenzene	96		101		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

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: WG696610-1 WG696610-2								
p-Isopropyltoluene	105		107		70-130	2		20
Naphthalene	98		86		70-130	13		20
n-Propylbenzene	102		106		69-130	4		20
1,2,3-Trichlorobenzene	98		88		70-130	11		20
1,2,4-Trichlorobenzene	96		90		70-130	6		20
1,3,5-Trimethylbenzene	107		108		64-130	1		20
1,2,4-Trimethylbenzene	105		106		70-130	1		20
Methyl Acetate	120		110		70-130	9		20
Ethyl Acetate	116		103		70-130	12		20
Cyclohexane	100		108		70-130	8		20
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		20
Tertiary-Amyl Methyl Ether	98		99		66-130	1		20
1,4-Dioxane	91		98		56-162	7		20
Freon-113	111		110		70-130	1		20
p-Diethylbenzene	109		110		70-130	1		20
p-Ethyltoluene	104		105		70-130	1		20
1,2,4,5-Tetramethylbenzene	103		103		70-130	0		20
Ethyl ether	108		100		59-134	8		20
trans-1,4-Dichloro-2-butene	87		88		70-130	1		20
Methyl cyclohexane	104		106		70-130	2		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412260**Report Date:** 06/12/14

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: WG696610-1 WG696610-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	97		101		70-130
4-Bromofluorobenzene	90		96		70-130
Dibromofluoromethane	104		108		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696859-1 WG696859-2								
Methylene chloride	111		113		70-130	2		30
1,1-Dichloroethane	108		110		70-130	2		30
Chloroform	106		108		70-130	2		30
Carbon tetrachloride	108		109		70-130	1		30
1,2-Dichloropropane	111		113		70-130	2		30
Dibromochloromethane	103		105		70-130	2		30
1,1,2-Trichloroethane	106		108		70-130	2		30
Tetrachloroethene	115		112		70-130	3		30
Chlorobenzene	107		107		70-130	0		30
Trichlorofluoromethane	88		91		70-139	3		30
1,2-Dichloroethane	105		108		70-130	3		30
1,1,1-Trichloroethane	109		110		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	100		102		70-130	2		30
cis-1,3-Dichloropropene	107		110		70-130	3		30
1,1-Dichloropropene	111		111		70-130	0		30
Bromoform	101		104		70-130	3		30
1,1,2,2-Tetrachloroethane	98		100		70-130	2		30
Benzene	109		110		70-130	1		30
Toluene	104		104		70-130	0		30
Ethylbenzene	106		105		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696859-1 WG696859-2								
Chloromethane	97		100		52-130	3		30
Bromomethane	122		122		57-147	0		30
Vinyl chloride	79		86		67-130	8		30
Chloroethane	62		67		50-151	8		30
1,1-Dichloroethene	107		110		65-135	3		30
trans-1,2-Dichloroethene	109		110		70-130	1		30
Trichloroethene	111		111		70-130	0		30
1,2-Dichlorobenzene	106		107		70-130	1		30
1,3-Dichlorobenzene	108		107		70-130	1		30
1,4-Dichlorobenzene	108		108		70-130	0		30
Methyl tert butyl ether	101		105		66-130	4		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	108		108		70-130	0		30
cis-1,2-Dichloroethene	110		113		70-130	3		30
Dibromomethane	110		114		70-130	4		30
Styrene	108		107		70-130	1		30
Dichlorodifluoromethane	94		96		30-146	2		30
Acetone	121		128		54-140	6		30
Carbon disulfide	95		97		59-130	2		30
2-Butanone	117		122		70-130	4		30
Vinyl acetate	99		102		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696859-1 WG696859-2								
4-Methyl-2-pentanone	112		118		70-130	5		30
1,2,3-Trichloropropane	98		100		68-130	2		30
2-Hexanone	101		103		70-130	2		30
Bromochloromethane	114		119		70-130	4		30
2,2-Dichloropropane	106		106		70-130	0		30
1,2-Dibromoethane	104		107		70-130	3		30
1,3-Dichloropropane	103		104		69-130	1		30
1,1,1,2-Tetrachloroethane	105		106		70-130	1		30
Bromobenzene	106		107		70-130	1		30
n-Butylbenzene	107		107		70-130	0		30
sec-Butylbenzene	105		105		70-130	0		30
tert-Butylbenzene	104		104		70-130	0		30
o-Chlorotoluene	101		102		70-130	1		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	97		102		68-130	5		30
Hexachlorobutadiene	115		116		67-130	1		30
Isopropylbenzene	106		106		70-130	0		30
p-Isopropyltoluene	107		108		70-130	1		30
Naphthalene	103		108		70-130	5		30
Acrylonitrile	108		114		70-130	5		30
Isopropyl Ether	108		109		66-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696859-1 WG696859-2								
tert-Butyl Alcohol	106		113		70-130	6		30
n-Propylbenzene	104		103		70-130	1		30
1,2,3-Trichlorobenzene	110		114		70-130	4		30
1,2,4-Trichlorobenzene	113		116		70-130	3		30
1,3,5-Trimethylbenzene	105		104		70-130	1		30
1,2,4-Trimethylbenzene	104		103		70-130	1		30
Methyl Acetate	106		111		51-146	5		30
Ethyl Acetate	107		114		70-130	6		30
Acrolein	111		116		70-130	4		30
Cyclohexane	119		121		59-142	2		30
1,4-Dioxane	116		129		65-136	11		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		116		50-139	2		30
1,4-Diethylbenzene	116		118		70-130	2		30
4-Ethyltoluene	113		115		70-130	2		30
1,2,4,5-Tetramethylbenzene	116		118		70-130	2		30
Tetrahydrofuran	106		101		66-130	5		30
Ethyl ether	69		73		67-130	6		30
trans-1,4-Dichloro-2-butene	82		94		70-130	14		30
Methyl cyclohexane	120		121		70-130	1		30
Ethyl-Tert-Butyl-Ether	109		111		70-130	2		30
Tertiary-Amyl Methyl Ether	108		111		70-130	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412260**Report Date:** 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696859-1 WG696859-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	99		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696859-4 WG696859-5 QC Sample: L1412260-01 Client ID: G1-SW-10FTBG												
Methylene chloride	ND	18.7	16	87		17	88		70-130	4		30
1,1-Dichloroethane	ND	18.7	14	75		16	81		70-130	11		30
Chloroform	ND	18.7	13	72		15	78		70-130	11		30
Carbon tetrachloride	ND	18.7	9.6	52	Q	11	55	Q	70-130	10		30
1,2-Dichloropropane	ND	18.7	13	68	Q	14	75		70-130	13		30
Dibromochloromethane	ND	18.7	9.9	53	Q	11	59	Q	70-130	14		30
1,1,2-Trichloroethane	ND	18.7	12	65	Q	14	71		70-130	12		30
Tetrachloroethene	ND	18.7	8.7	46	Q	9.1	47	Q	70-130	4		30
Chlorobenzene	ND	18.7	8.4	45	Q	9.3	48	Q	70-130	11		30
Trichlorofluoromethane	ND	18.7	9.1	49	Q	10	53	Q	70-139	12		30
1,2-Dichloroethane	ND	18.7	14	75		15	79		70-130	9		30
1,1,1-Trichloroethane	ND	18.7	11	60	Q	13	66	Q	70-130	13		30
Bromodichloromethane	ND	18.7	12	62	Q	13	69	Q	70-130	14		30
trans-1,3-Dichloropropene	ND	18.7	10	54	Q	11	58	Q	70-130	9		30
cis-1,3-Dichloropropene	ND	18.7	11	58	Q	12	63	Q	70-130	12		30
1,1-Dichloropropene	ND	18.7	11	57	Q	12	61	Q	70-130	10		30
Bromoform	ND	18.7	8.7	47	Q	10	52	Q	70-130	14		30
1,1,2,2-Tetrachloroethane	ND	18.7	9.3	50	Q	11	55	Q	70-130	13		30
Benzene	ND	18.7	12	65	Q	14	70		70-130	12		30
Toluene	ND	18.7	9.3	50	Q	10	53	Q	70-130	9		30
Ethylbenzene	ND	18.7	7.9	42	Q	8.4	44	Q	70-130	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696859-4 WG696859-5 QC Sample: L1412260-01 Client ID: G1-SW-10FTBG												
Chloromethane	ND	18.7	16	83		16	84		52-130	4		30
Bromomethane	ND	18.7	17	89		18	92		57-147	6		30
Vinyl chloride	ND	18.7	13	68		13	68		67-130	4		30
Chloroethane	ND	18.7	9.9	53		11	55		50-151	7		30
1,1-Dichloroethene	ND	18.7	13	69		14	75		65-135	12		30
trans-1,2-Dichloroethene	ND	18.7	13	70		14	73		70-130	8		30
Trichloroethene	ND	18.7	11	57	Q	12	62	Q	70-130	12		30
1,2-Dichlorobenzene	ND	18.7	6.4	34	Q	6.6	34	Q	70-130	2		30
1,3-Dichlorobenzene	ND	18.7	6.5	35	Q	6.6	34	Q	70-130	2		30
1,4-Dichlorobenzene	ND	18.7	6.5	35	Q	6.6	34	Q	70-130	2		30
Methyl tert butyl ether	ND	18.7	15	78		16	81		66-130	7		30
p/m-Xylene	ND	37.3	16	42	Q	16	42	Q	70-130	5		30
o-Xylene	ND	37.3	16	42	Q	17	43	Q	70-130	6		30
cis-1,2-Dichloroethene	ND	18.7	14	74		15	78		70-130	8		30
Dibromomethane	ND	18.7	13	72		15	78		70-130	11		30
Styrene	ND	37.3	15	41	Q	17	43	Q	70-130	8		30
Dichlorodifluoromethane	ND	18.7	11	57		12	62		30-146	12		30
Acetone	39	18.7	72	177	Q	68	150	Q	54-140	6		30
Carbon disulfide	ND	18.7	11	57	Q	11	59		59-130	5		30
2-Butanone	10	18.7	28	99		27	90		70-130	4		30
Vinyl acetate	ND	18.7	9.8	53	Q	11	58	Q	70-130	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696859-4 WG696859-5 QC Sample: L1412260-01 Client ID: G1-SW-10FTBG												
4-Methyl-2-pentanone	ND	18.7	16	85		17	90		70-130	9		30
1,2,3-Trichloropropane	ND	18.7	10	53	Q	12	60	Q	68-130	14		30
2-Hexanone	ND	18.7	14	77		16	81		70-130	8		30
Bromochloromethane	ND	18.7	15	82		16	84		70-130	6		30
2,2-Dichloropropane	ND	18.7	12	62	Q	13	67	Q	70-130	11		30
1,2-Dibromoethane	ND	18.7	11	58	Q	12	64	Q	70-130	13		30
1,3-Dichloropropane	ND	18.7	11	61	Q	13	67	Q	69-130	13		30
1,1,1,2-Tetrachloroethane	ND	18.7	8.8	47	Q	9.9	51	Q	70-130	12		30
Bromobenzene	ND	18.7	7.5	40	Q	8.1	42	Q	70-130	7		30
n-Butylbenzene	ND	18.7	5.3	29	Q	5.0	26	Q	70-130	6		30
sec-Butylbenzene	ND	18.7	6.0	32	Q	5.9	30	Q	70-130	2		30
tert-Butylbenzene	ND	18.7	6.4	34	Q	6.2	32	Q	70-130	2		30
o-Chlorotoluene	ND	18.7	6.9	37	Q	7.1	36	Q	70-130	2		30
p-Chlorotoluene	ND	18.7	6.7	36	Q	7.0	36	Q	70-130	4		30
1,2-Dibromo-3-chloropropane	ND	18.7	7.6	41	Q	8.6	44	Q	68-130	12		30
Hexachlorobutadiene	ND	18.7	3.6J	20	Q	3.5J	18	Q	67-130	5		30
Isopropylbenzene	ND	18.7	7.1	38	Q	7.3	38	Q	70-130	2		30
p-Isopropyltoluene	ND	18.7	5.8	31	Q	5.6	29	Q	70-130	3		30
Naphthalene	ND	18.7	5.2	28	Q	5.4	28	Q	70-130	2		30
Acrylonitrile	ND	18.7	15	82		16	84		70-130	5		30
n-Propylbenzene	ND	18.7	6.9	37	Q	6.8	35	Q	70-130	1		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412260**Report Date:** 06/12/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696859-4 WG696859-5 QC Sample: L1412260-01 Client ID: G1-SW-10FTBG												
1,2,3-Trichlorobenzene	ND	18.7	4.5J	24	Q	4.3J	22	Q	70-130	4		30
1,2,4-Trichlorobenzene	ND	18.7	4.6J	25	Q	4.5J	23	Q	70-130	3		30
1,3,5-Trimethylbenzene	ND	18.7	6.6	35	Q	6.3	33	Q	70-130	3		30
1,2,4-Trimethylbenzene	0.24J	18.7	6.4	34	Q	6.4	33	Q	70-130	0		30
1,4-Dioxane	ND	933	980	105		1000	104		65-136	2		30
1,4-Diethylbenzene	0.25J	18.7	5.6	30	Q	5.5	29	Q	70-130	1		30
4-Ethyltoluene	ND	18.7	6.9	37	Q	7.0	36	Q	70-130	2		30
1,2,4,5-Tetramethylbenzene	ND	18.7	4.9	26	Q	4.9	25	Q	70-130	1		30
Ethyl ether	ND	18.7	11	57	Q	11	58	Q	67-130	5		30
trans-1,4-Dichloro-2-butene	ND	18.7	8.0	43	Q	8.6	45	Q	70-130	8		30

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	96		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	101		100		70-130
Toluene-d8	97		95		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01 D
Client ID: G1-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/14 10:54
Analyst: JB
Percent Solids: 86%

Date Collected: 06/04/14 16:00
Date Received: 06/05/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/06/14 17:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	71.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	82.	2
2,6-Dinitrotoluene	ND		ug/kg	380	97.	2
Fluoranthene	ND		ug/kg	230	70.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	120	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	69.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	ND		ug/kg	380	130	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	80.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	100	2
Butyl benzyl phthalate	ND		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2
Benzo(a)anthracene	ND		ug/kg	230	74.	2

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01 D

Date Collected: 06/04/14 16:00

Client ID: G1-SW-10FTBG

Date Received: 06/05/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	300	93.	2
Benzo(b)fluoranthene	ND		ug/kg	230	77.	2
Benzo(k)fluoranthene	ND		ug/kg	230	72.	2
Chrysene	ND		ug/kg	230	75.	2
Acenaphthylene	ND		ug/kg	300	71.	2
Anthracene	ND		ug/kg	230	63.	2
Benzo(ghi)perylene	ND		ug/kg	300	79.	2
Fluorene	ND		ug/kg	380	110	2
Phenanthrene	ND		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	ND		ug/kg	230	74.	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	300	84.	2
Pyrene	ND		ug/kg	230	74.	2
Biphenyl	ND		ug/kg	870	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	ND		ug/kg	380	130	2
2-Methylnaphthalene	ND		ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	820	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	ND		ug/kg	380	82.	2

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01 D

Date Collected: 06/04/14 16:00

Client ID: G1-SW-10FTBG

Date Received: 06/05/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	90		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:51
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/06/14 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG695830-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:51
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/06/14 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG695830-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/11/14 17:51
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/06/14 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG695830-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	73		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695830-2 WG695830-3								
Acenaphthene	72		72		31-137	0		50
1,2,4-Trichlorobenzene	62		63		38-107	2		50
Hexachlorobenzene	79		80		40-140	1		50
Bis(2-chloroethyl)ether	60		59		40-140	2		50
2-Chloronaphthalene	74		71		40-140	4		50
1,2-Dichlorobenzene	59		59		40-140	0		50
1,3-Dichlorobenzene	57		58		40-140	2		50
1,4-Dichlorobenzene	59		59		28-104	0		50
3,3'-Dichlorobenzidine	79		84		40-140	6		50
2,4-Dinitrotoluene	92	Q	93	Q	28-89	1		50
2,6-Dinitrotoluene	97		96		40-140	1		50
Fluoranthene	77		80		40-140	4		50
4-Chlorophenyl phenyl ether	75		77		40-140	3		50
4-Bromophenyl phenyl ether	81		82		40-140	1		50
Bis(2-chloroisopropyl)ether	60		58		40-140	3		50
Bis(2-chloroethoxy)methane	69		65		40-117	6		50
Hexachlorobutadiene	62		64		40-140	3		50
Hexachlorocyclopentadiene	48		49		40-140	2		50
Hexachloroethane	58		58		40-140	0		50
Isophorone	74		68		40-140	8		50
Naphthalene	63		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695830-2 WG695830-3								
Nitrobenzene	64		66		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	80		81			1		50
n-Nitrosodi-n-propylamine	69		65		32-121	6		50
Bis(2-Ethylhexyl)phthalate	87		87		40-140	0		50
Butyl benzyl phthalate	82		87		40-140	6		50
Di-n-butylphthalate	81		85		40-140	5		50
Di-n-octylphthalate	85		86		40-140	1		50
Diethyl phthalate	78		78		40-140	0		50
Dimethyl phthalate	77		77		40-140	0		50
Benzo(a)anthracene	78		79		40-140	1		50
Benzo(a)pyrene	81		84		40-140	4		50
Benzo(b)fluoranthene	73		78		40-140	7		50
Benzo(k)fluoranthene	72		75		40-140	4		50
Chrysene	74		74		40-140	0		50
Acenaphthylene	80		77		40-140	4		50
Anthracene	78		80		40-140	3		50
Benzo(ghi)perylene	73		79		40-140	8		50
Fluorene	76		77		40-140	1		50
Phenanthrene	74		76		40-140	3		50
Dibenzo(a,h)anthracene	79		81		40-140	3		50
Indeno(1,2,3-cd)Pyrene	76		81		40-140	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695830-2 WG695830-3								
Pyrene	73		77		35-142	5		50
Biphenyl	70		69			1		50
4-Chloroaniline	64		65		40-140	2		50
2-Nitroaniline	98		95		47-134	3		50
3-Nitroaniline	71		71		26-129	0		50
4-Nitroaniline	81		83		41-125	2		50
Dibenzofuran	75		74		40-140	1		50
2-Methylnaphthalene	70		68		40-140	3		50
1,2,4,5-Tetrachlorobenzene	66		66		40-117	0		50
Acetophenone	70		68		14-144	3		50
2,4,6-Trichlorophenol	89		87		30-130	2		50
P-Chloro-M-Cresol	86		84		26-103	2		50
2-Chlorophenol	70		67		25-102	4		50
2,4-Dichlorophenol	80		79		30-130	1		50
2,4-Dimethylphenol	80		75		30-130	6		50
2-Nitrophenol	86		84		30-130	2		50
4-Nitrophenol	98		99		11-114	1		50
2,4-Dinitrophenol	56		56		4-130	0		50
4,6-Dinitro-o-cresol	83		84		10-130	1		50
Pentachlorophenol	88		93		17-109	6		50
Phenol	70		68		26-90	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695830-2 WG695830-3								
2-Methylphenol	74		71		30-130.	4		50
3-Methylphenol/4-Methylphenol	85		79		30-130	7		50
2,4,5-Trichlorophenol	93		93		30-130	0		50
Benzoic Acid	20		21			5		50
Benzyl Alcohol	73		70		40-140	4		50
Carbazole	76		79		54-128	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		63		25-120
Phenol-d6	72		65		10-120
Nitrobenzene-d5	75		69		23-120
2-Fluorobiphenyl	77		71		30-120
2,4,6-Tribromophenol	88		87		0-136
4-Terphenyl-d14	78		78		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01
Client ID: G1-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/07/14 22:03
Analyst: JT
Percent Solids: 86%

Date Collected: 06/04/14 16:00
Date Received: 06/05/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/07/14 00:31
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/07/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.46	1	A
Aroclor 1232	ND		ug/kg	37.5	4.39	1	A
Aroclor 1242	ND		ug/kg	37.5	4.59	1	A
Aroclor 1248	ND		ug/kg	37.5	3.16	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.86	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.43	1	A
PCBs, Total	ND		ug/kg	37.5	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/07/14 23:26
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 06/07/14 00:31
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG695901-1						
Aroclor 1016	ND		ug/kg	32.2	2.55	A
Aroclor 1221	ND		ug/kg	32.2	2.97	A
Aroclor 1232	ND		ug/kg	32.2	3.78	A
Aroclor 1242	ND		ug/kg	32.2	3.95	A
Aroclor 1248	ND		ug/kg	32.2	2.72	A
Aroclor 1254	ND		ug/kg	32.2	2.65	A
Aroclor 1260	ND		ug/kg	32.2	2.46	A
Aroclor 1262	ND		ug/kg	32.2	1.60	A
Aroclor 1268	ND		ug/kg	32.2	4.68	A
PCBs, Total	ND		ug/kg	32.2	1.60	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	78		30-150	A
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG695901-2 WG695901-3									
Aroclor 1016	94		99		40-140	5		50	A
Aroclor 1260	81		86		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		83		30-150	A
Decachlorobiphenyl	83		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		89		30-150	B
Decachlorobiphenyl	84		87		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1412260**Project Number:** E040**Report Date:** 06/12/14**SAMPLE RESULTS**

Lab ID: L1412260-01 D
Client ID: G1-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/14 11:21
Analyst: JW
Percent Solids: 86%

Date Collected: 06/04/14 16:00
Date Received: 06/05/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/06/14 21:41
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.46	10	A
Lindane	ND		ug/kg	7.36	3.29	10	A
Alpha-BHC	ND		ug/kg	7.36	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.70	10	A
Heptachlor	ND		ug/kg	8.83	3.96	10	A
Aldrin	ND		ug/kg	17.6	6.22	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.93	10	A
Endrin	ND		ug/kg	7.36	3.02	10	A
Dieldrin	ND		ug/kg	11.0	5.52	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.30	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.90	10	A
Endosulfan sulfate	ND		ug/kg	7.36	3.50	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
cis-Chlordane	ND		ug/kg	22.1	6.15	10	A
trans-Chlordane	ND		ug/kg	22.1	5.83	10	A
Chlordane	ND		ug/kg	143	58.5	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/10/14 19:42
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/06/14 21:41
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 06/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG695881-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.784	0.352	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.882	A
Endrin	ND		ug/kg	0.654	0.268	A
Dieldrin	ND		ug/kg	0.980	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.915	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.7	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	80		30-150	B
Decachlorobiphenyl	88		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG695881-2 WG695881-3									
Delta-BHC	82		85		30-150	4		30	A
Lindane	83		84		30-150	1		30	A
Alpha-BHC	86		88		30-150	2		30	A
Beta-BHC	73		75		30-150	3		30	A
Heptachlor	90		92		30-150	2		30	A
Aldrin	85		86		30-150	1		30	A
Heptachlor epoxide	79		81		30-150	3		30	A
Endrin	84		87		30-150	4		30	A
Endrin aldehyde	62		63		30-150	2		30	A
Endrin ketone	80		83		30-150	4		30	A
Dieldrin	81		84		30-150	4		30	A
4,4'-DDE	79		81		30-150	3		30	A
4,4'-DDD	84		86		30-150	2		30	A
4,4'-DDT	97		101		30-150	4		30	A
Endosulfan I	81		83		30-150	2		30	A
Endosulfan II	82		84		30-150	2		30	A
Endosulfan sulfate	82		85		30-150	4		30	A
Methoxychlor	87		92		30-150	6		30	A
cis-Chlordane	75		80		30-150	6		30	A
trans-Chlordane	79		81		30-150	3		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG695881-2 WG695881-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		81		30-150	A
Decachlorobiphenyl	81		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		76		30-150	B
Decachlorobiphenyl	74		77		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

SAMPLE RESULTS

Lab ID: L1412260-01
 Client ID: G1-SW-10FTBG
 Sample Location: 520 W 28TH ST, NYC
 Matrix: Soil
 Percent Solids: 86%

Date Collected: 06/04/14 16:00
 Date Received: 06/05/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	8.7	1.7	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.3	0.69	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Arsenic, Total	1.6		mg/kg	0.87	0.17	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Barium, Total	34		mg/kg	0.87	0.26	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Beryllium, Total	0.29	J	mg/kg	0.43	0.09	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.87	0.06	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Calcium, Total	1000		mg/kg	8.7	2.6	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Chromium, Total	13		mg/kg	0.87	0.17	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Cobalt, Total	4.2		mg/kg	1.7	0.43	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Copper, Total	10		mg/kg	0.87	0.17	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Iron, Total	10000		mg/kg	4.3	1.7	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Lead, Total	16		mg/kg	4.3	0.17	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Magnesium, Total	1700		mg/kg	8.7	0.87	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Manganese, Total	110		mg/kg	0.87	0.17	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Mercury, Total	0.10		mg/kg	0.08	0.02	1	06/11/14 09:02	06/11/14 12:48	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.35	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Potassium, Total	610		mg/kg	220	35.	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Selenium, Total	0.37	J	mg/kg	1.7	0.26	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.87	0.17	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Sodium, Total	140	J	mg/kg	170	26.	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.35	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Vanadium, Total	17		mg/kg	0.87	0.09	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC
Zinc, Total	19		mg/kg	4.3	0.61	2	06/11/14 09:57	06/11/14 15:32	EPA 3050B	1,6010C	BC



Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG696819-6										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/11/14 09:02	06/11/14 12:45	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG696907-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Barium, Total	ND		mg/kg	0.40	0.12	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Copper, Total	0.13	J	mg/kg	0.40	0.08	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Iron, Total	ND		mg/kg	2.0	0.80	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Lead, Total	ND		mg/kg	2.0	0.08	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Manganese, Total	0.08	J	mg/kg	0.40	0.08	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Potassium, Total	ND		mg/kg	100	16.	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Silver, Total	ND		mg/kg	0.40	0.08	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Sodium, Total	ND		mg/kg	80	12.	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/11/14 09:57	06/11/14 11:58	1,6010C	BC

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696819-7 SRM Lot Number: 0518-10-02								
Mercury, Total	102		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696907-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	88	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	109	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	110	-	83-117	-	
Cadmium, Total	102	-	82-117	-	
Calcium, Total	86	-	83-117	-	
Chromium, Total	101	-	80-119	-	
Cobalt, Total	104	-	83-117	-	
Copper, Total	109	-	83-117	-	
Iron, Total	115	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	112	-	83-117	-	
Nickel, Total	104	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	113	-	80-120	-	
Silver, Total	101	-	66-134	-	
Sodium, Total	103	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	106	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412260**Report Date:** 06/12/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696907-2 SRM Lot Number: 0518-10-02					
Zinc, Total	100	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1412260

Project Number: E040

Report Date: 06/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696819-8 WG696819-9 QC Sample: L1412260-01 Client ID: G1-SW-10FTBG												
Mercury, Total	0.10	0.158	0.21	71	Q	0.34	158	Q	80-120	47	Q	35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696907-3 WG696907-4 QC Sample: L1412260-01 Client ID: G1-SW-10FTBG									
Aluminum, Total	6700	184	9600	1570	Q	9800	1780	Q	75-125 2 20
Antimony, Total	ND	46.1	42	91		38	88		75-125 10 20
Arsenic, Total	1.6	11	13	103		12	100		75-125 8 20
Barium, Total	34.	184	210	95		200	96		75-125 5 20
Beryllium, Total	0.29J	4.61	5.0	108		4.6	106		75-125 8 20
Cadmium, Total	ND	4.7	4.6	98		4.2	95		75-125 9 20
Calcium, Total	1000	922	2200	130	Q	1800	92		75-125 20 20
Chromium, Total	13.	18.4	37	130	Q	30	98		75-125 21 Q 20
Cobalt, Total	4.2	46.1	48	95		43	89		75-125 11 20
Copper, Total	10.	23	35	108		33	106		75-125 6 20
Iron, Total	10000	92.2	13000	3260	Q	11000	1150	Q	75-125 17 20
Lead, Total	16.	47	76	128	Q	66	113		75-125 14 20
Magnesium, Total	1700	922	3400	184	Q	2600	104		75-125 27 Q 20
Manganese, Total	110	46.1	210	217	Q	220	253	Q	75-125 5 20
Nickel, Total	10.	46.1	53	93		49	90		75-125 8 20
Potassium, Total	610	922	2300	183	Q	1600	114		75-125 36 Q 20
Selenium, Total	0.37J	11	11	99		10	96		75-125 10 20
Silver, Total	ND	27.6	27	98		25	96		75-125 8 20
Sodium, Total	140J	922	1100	119		1100	127	Q	75-125 0 20
Thallium, Total	ND	11	8.9	80		8.5	82		75-125 5 20
Vanadium, Total	17.	46.1	66	106		60	99		75-125 10 20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696907-3 WG696907-4 QC Sample: L1412260-01 Client ID: G1-SW-10FTBG									
Zinc, Total	19.	46.1	63	95	59	92	75-125	7	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

SAMPLE RESULTS

Lab ID: L1412260-01
Client ID: G1-SW-10FTBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil

Date Collected: 06/04/14 16:00
Date Received: 06/05/14
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	86.4		%	0.100	NA	1	-	06/06/14 19:52	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1412260**Report Date:** 06/12/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG695851-1 QC Sample: L1412159-01 Client ID: DUP Sample						
Solids, Total	91.4	92.7	%	1		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/06/2014 04:45

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1412260-01A	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01A1	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01A2	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01B	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01B1	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01B2	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01C	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01C1	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01C2	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1412260-01D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1412260-01D1	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1412260-01D2	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1412260-01E	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1412260

Report Date: 06/12/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1412260-01F	Amber 250ml unpreserved	A	N/A	2.9	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1412260-01W	Vial MeOH preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1412260-01X	Vial Water preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1412260-01Y	Vial Water preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1412260-01Z	Vial Water preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1412260-02A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1412260-02B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)

Container Comments

L1412260-01X

L1412260-01Z

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1412260
Report Date: 06/12/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1411980
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/10/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411980
Report Date: 06/10/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1411980-01	F1-SW-11FTBG	520 W 28TH ST., NYC	06/03/14 13:50
L1411980-02	TRIP BLANK 6-3-14	520 W 28TH ST., NYC	06/03/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411980
Report Date: 06/10/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411980
Report Date: 06/10/14

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.

Semivolatile Organics

The WG695581-2/-3 LCS/LCSD recoveries, associated with L1411980-01, are outside the acceptance criteria for 2,4-dinitrotoluene (116%/104%), but within the overall method allowances. The results of the associated samples are reported.

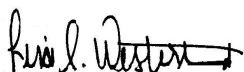
Metals

L1411980-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG696207-1 Method Blank, associated with L1411980-01, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 06/10/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01
Client ID: F1-SW-11FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/14 14:46
Analyst: MV
Percent Solids: 84%

Date Collected: 06/03/14 13:50
Date Received: 06/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		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	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	5.7	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01
 Client ID: F1-SW-11FTBG
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/03/14 13:50
 Date Received: 06/03/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylene (Total)	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.19	1
Styrene	ND		ug/kg	2.3	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	13		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.3	1
2-Butanone	3.2	J	ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.16	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.59	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01

Date Collected: 06/03/14 13:50

Client ID: F1-SW-11FTBG

Date Received: 06/03/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.18	1
4-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-02
Client ID: TRIP BLANK 6-3-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/05/14 12:33
Analyst: PD

Date Collected: 06/03/14 00:00
Date Received: 06/03/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-02

Date Collected: 06/03/14 00:00

Client ID: TRIP BLANK 6-3-14

Date Received: 06/03/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-02

Date Collected: 06/03/14 00:00

Client ID: TRIP BLANK 6-3-14

Date Received: 06/03/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	110		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/05/14 10:46
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG695378-3					
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/05/14 10:46
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG695378-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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



Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/05/14 10:46
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG695378-3					
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
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/06/14 10:15
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696082-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	0.35	J	ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/06/14 10:15
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696082-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
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	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/06/14 10:15
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696082-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/06/14 10:15

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG696082-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

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: WG695378-1 WG695378-2								
Methylene chloride	101		102		70-130	1		20
1,1-Dichloroethane	101		100		70-130	1		20
Chloroform	111		112		70-130	1		20
Carbon tetrachloride	125		123		63-132	2		20
1,2-Dichloropropane	94		95		70-130	1		20
Dibromochloromethane	108		112		63-130	4		20
1,1,2-Trichloroethane	96		99		70-130	3		20
Tetrachloroethene	118		118		70-130	0		20
Chlorobenzene	109		111		75-130	2		20
Trichlorofluoromethane	120		117		62-150	3		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	125		122		67-130	2		20
Bromodichloromethane	111		111		67-130	0		20
trans-1,3-Dichloropropene	89		91		70-130	2		20
cis-1,3-Dichloropropene	104		103		70-130	1		20
1,1-Dichloropropene	103		104		70-130	1		20
Bromoform	104		107		54-136	3		20
1,1,2,2-Tetrachloroethane	86		87		67-130	1		20
Benzene	101		101		70-130	0		20
Toluene	104		107		70-130	3		20
Ethylbenzene	109		110		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

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: WG695378-1 WG695378-2								
Chloromethane	83		82		64-130	1		20
Bromomethane	116		108		39-139	7		20
Vinyl chloride	106		102		55-140	4		20
Chloroethane	112		112		55-138	0		20
1,1-Dichloroethene	107		107		61-145	0		20
trans-1,2-Dichloroethene	104		104		70-130	0		20
Trichloroethene	106		108		70-130	2		20
1,2-Dichlorobenzene	106		107		70-130	1		20
1,3-Dichlorobenzene	110		111		70-130	1		20
1,4-Dichlorobenzene	110		109		70-130	1		20
Methyl tert butyl ether	97		99		63-130	2		20
p/m-Xylene	112		114		70-130	2		20
o-Xylene	112		114		70-130	2		20
cis-1,2-Dichloroethene	100		103		70-130	3		20
Dibromomethane	100		102		70-130	2		20
1,2,3-Trichloropropane	88		93		64-130	6		20
Acrylonitrile	75		80		70-130	6		20
Styrene	111		114		70-130	3		20
Dichlorodifluoromethane	84		86		36-147	2		20
Acetone	63		77		58-148	20		20
Carbon disulfide	89		89		51-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

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: WG695378-1 WG695378-2								
2-Butanone	47	Q	51	Q	63-138	8		20
Vinyl acetate	82		80		70-130	2		20
4-Methyl-2-pentanone	72		77		59-130	7		20
2-Hexanone	64		69		57-130	8		20
Bromochloromethane	110		115		70-130	4		20
2,2-Dichloropropane	129		124		63-133	4		20
1,2-Dibromoethane	98		101		70-130	3		20
1,3-Dichloropropane	92		96		70-130	4		20
1,1,1,2-Tetrachloroethane	128		130		64-130	2		20
Bromobenzene	112		111		70-130	1		20
n-Butylbenzene	109		106		53-136	3		20
sec-Butylbenzene	110		108		70-130	2		20
tert-Butylbenzene	114		114		70-130	0		20
o-Chlorotoluene	109		108		70-130	1		20
p-Chlorotoluene	110		109		70-130	1		20
1,2-Dibromo-3-chloropropane	79		78		41-144	1		20
Hexachlorobutadiene	119		114		63-130	4		20
Isopropylbenzene	111		112		70-130	1		20
p-Isopropyltoluene	113		112		70-130	1		20
Naphthalene	89		90		70-130	1		20
n-Propylbenzene	108		108		69-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

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: WG695378-1 WG695378-2								
1,2,3-Trichlorobenzene	96		95		70-130	1		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	113		113		64-130	0		20
1,2,4-Trimethylbenzene	112		112		70-130	0		20
1,4-Dioxane	80		87		56-162	8		20
p-Diethylbenzene	120		122		70-130	2		20
p-Ethyltoluene	112		111		70-130	1		20
1,2,4,5-Tetramethylbenzene	114		112		70-130	2		20
Ethyl ether	108		113		59-134	5		20
trans-1,4-Dichloro-2-butene	85		85		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	111		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696082-1 WG696082-2								
Methylene chloride	97		101		70-130	4		30
1,1-Dichloroethane	99		105		70-130	6		30
Chloroform	94		100		70-130	6		30
Carbon tetrachloride	90		97		70-130	7		30
1,2-Dichloropropane	101		106		70-130	5		30
Dibromochloromethane	80		88		70-130	10		30
2-Chloroethylvinyl ether	68	Q	75		70-130	10		30
1,1,2-Trichloroethane	95		102		70-130	7		30
Tetrachloroethene	94		97		70-130	3		30
Chlorobenzene	94		100		70-130	6		30
Trichlorofluoromethane	106		108		70-139	2		30
1,2-Dichloroethane	96		102		70-130	6		30
1,1,1-Trichloroethane	95		99		70-130	4		30
Bromodichloromethane	88		96		70-130	9		30
trans-1,3-Dichloropropene	87		95		70-130	9		30
cis-1,3-Dichloropropene	88		94		70-130	7		30
1,1-Dichloropropene	97		103		70-130	6		30
Bromoform	76		85		70-130	11		30
1,1,2,2-Tetrachloroethane	94		101		70-130	7		30
Benzene	97		102		70-130	5		30
Toluene	95		99		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696082-1 WG696082-2								
Ethylbenzene	100		104		70-130	4		30
Chloromethane	89		92		52-130	3		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	112		115		67-130	3		30
Chloroethane	102		105		50-151	3		30
1,1-Dichloroethene	92		94		65-135	2		30
trans-1,2-Dichloroethene	92		97		70-130	5		30
Trichloroethene	97		102		70-130	5		30
1,2-Dichlorobenzene	92		99		70-130	7		30
1,3-Dichlorobenzene	94		100		70-130	6		30
1,4-Dichlorobenzene	94		100		70-130	6		30
Methyl tert butyl ether	88		94		66-130	7		30
p/m-Xylene	98		102		70-130	4		30
o-Xylene	98		102		70-130	4		30
cis-1,2-Dichloroethene	93		99		70-130	6		30
Dibromomethane	88		94		70-130	7		30
Styrene	98		103		70-130	5		30
Dichlorodifluoromethane	67		69		30-146	3		30
Acetone	98		102		54-140	4		30
Carbon disulfide	91		94		59-130	3		30
2-Butanone	86		92		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696082-1 WG696082-2								
Vinyl acetate	85		94		70-130	10		30
4-Methyl-2-pentanone	90		101		70-130	12		30
1,2,3-Trichloropropane	95		105		68-130	10		30
2-Hexanone	82		91		70-130	10		30
Bromochloromethane	89		94		70-130	5		30
2,2-Dichloropropane	92		96		70-130	4		30
1,2-Dibromoethane	86		92		70-130	7		30
1,3-Dichloropropane	94		101		69-130	7		30
1,1,1,2-Tetrachloroethane	85		91		70-130	7		30
Bromobenzene	91		97		70-130	6		30
n-Butylbenzene	104		110		70-130	6		30
sec-Butylbenzene	100		105		70-130	5		30
tert-Butylbenzene	98		103		70-130	5		30
o-Chlorotoluene	107		111		70-130	4		30
p-Chlorotoluene	102		108		70-130	6		30
1,2-Dibromo-3-chloropropane	72		79		68-130	9		30
Hexachlorobutadiene	99		104		67-130	5		30
Isopropylbenzene	97		103		70-130	6		30
p-Isopropyltoluene	99		104		70-130	5		30
Naphthalene	86		95		70-130	10		30
Acrylonitrile	100		106		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696082-1 WG696082-2								
Isopropyl Ether	100		106		66-130	6		30
tert-Butyl Alcohol	76		87		70-130	13		30
n-Propylbenzene	103		108		70-130	5		30
1,2,3-Trichlorobenzene	91		97		70-130	6		30
1,2,4-Trichlorobenzene	92		99		70-130	7		30
1,3,5-Trimethylbenzene	99		105		70-130	6		30
1,2,4-Trimethylbenzene	99		104		70-130	5		30
Methyl Acetate	86		92		51-146	7		30
Ethyl Acetate	91		99		70-130	8		30
Acrolein	50	Q	52	Q	70-130	4		30
Cyclohexane	109		115		59-142	5		30
1,4-Dioxane	96		102		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	91		95		50-139	4		30
1,4-Diethylbenzene	100		105		70-130	5		30
4-Ethyltoluene	99		104		70-130	5		30
1,2,4,5-Tetramethylbenzene	96		102		70-130	6		30
Tetrahydrofuran	92		102		66-130	10		30
Ethyl ether	78		83		67-130	6		30
trans-1,4-Dichloro-2-butene	88		95		70-130	8		30
Methyl cyclohexane	100		104		70-130	4		30
Ethyl-Tert-Butyl-Ether	96		102		70-130	6		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411980**Report Date:** 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG696082-1 WG696082-2								
Tertiary-Amyl Methyl Ether	87		92		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	92		94		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01
Client ID: F1-SW-11FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/14 02:57
Analyst: JB
Percent Solids: 84%

Date Collected: 06/03/14 13:50
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/06/14 01:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01

Date Collected: 06/03/14 13:50

Client ID: F1-SW-11FTBG

Date Received: 06/03/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01

Date Collected: 06/03/14 13:50

Client ID: F1-SW-11FTBG

Date Received: 06/03/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	53		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/06/14 09:40
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/06/14 01:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG695581-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/06/14 09:40
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/06/14 01:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG695581-1					
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/06/14 09:40
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/06/14 01:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG695581-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Tentatively Identified Compounds

Unknown	670	J	ug/kg
Unknown Organic Acid	230	J	ug/kg
Unknown Organic Acid	210	J	ug/kg

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D
Analytical Date: 06/06/14 09:40
Analyst: JBExtraction Method: EPA 3546
Extraction Date: 06/06/14 01:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG695581-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	69		0-136
4-Terphenyl-d14	98		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695581-2 WG695581-3								
Acenaphthene	89		81		31-137	9		50
Benzidine	53		42			23		50
n-Nitrosodimethylamine	72		64			12		50
1,2,4-Trichlorobenzene	89		81		38-107	9		50
Hexachlorobenzene	108		97		40-140	11		50
Bis(2-chloroethyl)ether	76		68		40-140	11		50
2-Chloronaphthalene	100		94		40-140	6		50
1,2-Dichlorobenzene	79		71		40-140	11		50
1,3-Dichlorobenzene	78		68		40-140	14		50
1,4-Dichlorobenzene	80		69		28-104	15		50
3,3'-Dichlorobenzidine	76		63		40-140	19		50
2,4-Dinitrotoluene	116	Q	104	Q	28-89	11		50
2,6-Dinitrotoluene	116		106		40-140	9		50
Fluoranthene	109		94		40-140	15		50
4-Chlorophenyl phenyl ether	104		96		40-140	8		50
4-Bromophenyl phenyl ether	107		96		40-140	11		50
Azobenzene	92		81		40-140	13		50
Bis(2-chloroisopropyl)ether	84		76		40-140	10		50
Bis(2-chloroethoxy)methane	78		73		40-117	7		50
Hexachlorobutadiene	93		88		40-140	6		50
Hexachlorocyclopentadiene	105		96		40-140	9		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695581-2 WG695581-3								
Hexachloroethane	78		68		40-140	14		50
Isophorone	82		77		40-140	6		50
Naphthalene	79		74		40-140	7		50
Nitrobenzene	76		72		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		92			11		50
n-Nitrosodi-n-propylamine	81		77		32-121	5		50
Bis(2-Ethylhexyl)phthalate	94		84		40-140	11		50
Butyl benzyl phthalate	105		90		40-140	15		50
Di-n-butylphthalate	103		90		40-140	13		50
Di-n-octylphthalate	96		84		40-140	13		50
Diethyl phthalate	100		90		40-140	11		50
Dimethyl phthalate	101		89		40-140	13		50
Benzo(a)anthracene	100		88		40-140	13		50
Benzo(a)pyrene	102		88		40-140	15		50
Benzo(b)fluoranthene	100		86		40-140	15		50
Benzo(k)fluoranthene	102		88		40-140	15		50
Chrysene	101		88		40-140	14		50
Acenaphthylene	103		97		40-140	6		50
Anthracene	106		92		40-140	14		50
Benzo(ghi)perylene	99		84		40-140	16		50
Fluorene	100		90		40-140	11		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695581-2 WG695581-3								
Phenanthrene	102		89		40-140	14		50
Dibenzo(a,h)anthracene	100		86		40-140	15		50
Indeno(1,2,3-cd)Pyrene	98		81		40-140	19		50
Pyrene	110		95		35-142	15		50
Biphenyl	83		77			8		50
Aniline	48		43		40-140	11		50
4-Chloroaniline	66		61		40-140	8		50
2-Nitroaniline	104		96		47-134	8		50
3-Nitroaniline	73		64		26-129	13		50
4-Nitroaniline	87		79		41-125	10		50
Dibenzofuran	98		89		40-140	10		50
2-Methylnaphthalene	86		81		40-140	6		50
1,2,4,5-Tetrachlorobenzene	84		77		40-117	9		50
Acetophenone	81		74		14-144	9		50
2,4,6-Trichlorophenol	110		100		30-130	10		50
P-Chloro-M-Cresol	95		90		26-103	5		50
2-Chlorophenol	78		71		25-102	9		50
2,4-Dichlorophenol	93		89		30-130	4		50
2,4-Dimethylphenol	91		88		30-130	3		50
2-Nitrophenol	82		75		30-130	9		50
4-Nitrophenol	88		81		11-114	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695581-2 WG695581-3								
2,4-Dinitrophenol	88		68		4-130	26		50
4,6-Dinitro-o-cresol	114		97		10-130	16		50
Pentachlorophenol	97		82		17-109	17		50
Phenol	76		71		26-90	7		50
2-Methylphenol	81		73		30-130.	10		50
3-Methylphenol/4-Methylphenol	80		74		30-130	8		50
2,4,5-Trichlorophenol	119		108		30-130	10		50
Benzoic Acid	28		25			11		50
Benzyl Alcohol	77		72		40-140	7		50
Carbazole	100		87		54-128	14		50
Benzaldehyde	80		71			12		50
Caprolactam	113		103			9		50
Atrazine	114		101			12		50
2,3,4,6-Tetrachlorophenol	105		94			11		50
Pyridine	62		54		10-93	14		50
Parathion, ethyl	124		103		40-140	19		50
1-Methylnaphthalene	88		83		26-130	6		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG695581-2 WG695581-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		66		25-120
Phenol-d6	77		71		10-120
Nitrobenzene-d5	78		70		23-120
2-Fluorobiphenyl	96		90		30-120
2,4,6-Tribromophenol	92		80		0-136
4-Terphenyl-d14	103		90		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01
Client ID: F1-SW-11FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/06/14 17:26
Analyst: JW
Percent Solids: 84%

Date Collected: 06/03/14 13:50
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 16:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.12	1	A
Aroclor 1221	ND		ug/kg	39.4	3.64	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.83	1	A
Aroclor 1248	ND		ug/kg	39.4	3.33	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.96	1	A
Aroclor 1268	ND		ug/kg	39.4	5.72	1	A
PCBs, Total	ND		ug/kg	39.4	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/06/14 17:54
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/05/14 16:37
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG695467-1						
Aroclor 1016	ND		ug/kg	32.8	2.59	A
Aroclor 1221	ND		ug/kg	32.8	3.03	A
Aroclor 1232	ND		ug/kg	32.8	3.85	A
Aroclor 1242	ND		ug/kg	32.8	4.02	A
Aroclor 1248	ND		ug/kg	32.8	2.77	A
Aroclor 1254	ND		ug/kg	32.8	2.70	A
Aroclor 1260	ND		ug/kg	32.8	2.50	A
Aroclor 1262	ND		ug/kg	32.8	1.63	A
Aroclor 1268	ND		ug/kg	32.8	4.76	A
PCBs, Total	ND		ug/kg	32.8	1.63	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	85		30-150	A
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG695467-2 WG695467-3									
Aroclor 1016	90		88		40-140	2		50	A
Aroclor 1260	76		77		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		82		30-150	A
Decachlorobiphenyl	85		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		88		30-150	B
Decachlorobiphenyl	90		93		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411980**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411980-01
Client ID: F1-SW-11FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/07/14 05:14
Analyst: JW
Percent Solids: 84%

Date Collected: 06/03/14 13:50
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 11:44
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.759	0.339	1	A
Alpha-BHC	ND		ug/kg	0.759	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.911	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.759	0.311	1	A
Dieldrin	ND		ug/kg	1.14	0.569	1	A
4,4'-DDE	ND		ug/kg	1.82	0.421	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.759	0.361	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.601	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/07/14 03:29
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/05/14 11:44
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG695356-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.788	0.353	A
Aldrin	ND		ug/kg	1.58	0.555	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	A
Endrin	ND		ug/kg	0.656	0.269	A
Dieldrin	ND		ug/kg	0.985	0.492	A
4,4'-DDE	ND		ug/kg	1.58	0.364	A
4,4'-DDD	ND		ug/kg	1.58	0.562	A
4,4'-DDT	ND		ug/kg	2.95	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.372	A
Endosulfan II	ND		ug/kg	1.58	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.919	A
cis-Chlordane	ND		ug/kg	1.97	0.549	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	12.8	5.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	97		30-150	A
Decachlorobiphenyl	92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG695356-2 WG695356-3									
Delta-BHC	103		111		30-150	7		30	A
Lindane	105		113		30-150	7		30	A
Alpha-BHC	108		117		30-150	8		30	A
Beta-BHC	87		94		30-150	8		30	A
Heptachlor	115		124		30-150	8		30	A
Aldrin	106		115		30-150	8		30	A
Heptachlor epoxide	99		108		30-150	9		30	A
Endrin	104		116		30-150	11		30	A
Endrin ketone	96		111		30-150	14		30	A
Dieldrin	101		113		30-150	11		30	A
4,4'-DDE	98		109		30-150	11		30	A
4,4'-DDD	105		118		30-150	12		30	A
4,4'-DDT	121		138		30-150	13		30	A
Endosulfan I	101		112		30-150	10		30	A
Endosulfan II	99		111		30-150	11		30	A
Endosulfan sulfate	99		113		30-150	13		30	A
Methoxychlor	106		123		30-150	15		30	A
cis-Chlordane	96		106		30-150	10		30	A
trans-Chlordane	100		111		30-150	10		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG695356-2 WG695356-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		90		30-150	A
Decachlorobiphenyl	79		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		86		30-150	B
Decachlorobiphenyl	75		84		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

SAMPLE RESULTS

Lab ID: L1411980-01

Date Collected: 06/03/14 13:50

Client ID: F1-SW-11FTBG

Date Received: 06/03/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	9.0	1.8	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.5	0.72	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Arsenic, Total	3.4		mg/kg	0.90	0.18	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Barium, Total	38		mg/kg	0.90	0.27	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Beryllium, Total	0.31	J	mg/kg	0.45	0.09	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.90	0.06	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Calcium, Total	2100		mg/kg	9.0	2.7	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Chromium, Total	13		mg/kg	0.90	0.18	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Cobalt, Total	5.6		mg/kg	1.8	0.45	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Copper, Total	18		mg/kg	0.90	0.18	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Iron, Total	14000		mg/kg	4.5	1.8	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Lead, Total	22		mg/kg	4.5	0.18	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Magnesium, Total	2800		mg/kg	9.0	0.90	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Manganese, Total	170		mg/kg	0.90	0.18	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Mercury, Total	0.22		mg/kg	0.08	0.02	1	06/10/14 08:05	06/10/14 12:30	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.2	0.36	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Potassium, Total	570		mg/kg	220	36.	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Selenium, Total	1.2	J	mg/kg	1.8	0.27	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.90	0.18	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Sodium, Total	160	J	mg/kg	180	27.	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.36	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Vanadium, Total	16		mg/kg	0.90	0.09	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC
Zinc, Total	42		mg/kg	4.5	0.63	2	06/09/14 11:08	06/09/14 17:55	EPA 3050B	1,6010C	BC



Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG696207-1										
Aluminum, Total	1.4	J	mg/kg	4.0	0.80	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Barium, Total	ND		mg/kg	0.40	0.12	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Copper, Total	ND		mg/kg	0.40	0.08	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Iron, Total	4.1		mg/kg	2.0	0.80	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Lead, Total	0.09	J	mg/kg	2.0	0.08	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Magnesium, Total	0.53	J	mg/kg	4.0	0.40	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Potassium, Total	ND		mg/kg	100	16.	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Silver, Total	ND		mg/kg	0.40	0.08	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Sodium, Total	18	J	mg/kg	80	12.	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/09/14 11:08	06/09/14 15:49	1,6010C	BC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG696454-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/10/14 08:05	06/10/14 11:48	1,7471B	MC



Project Name: 520 WEST 28TH STREET

Lab Number: L1411980

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696207-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	102		-		82-117	-		
Calcium, Total	87		-		83-117	-		
Chromium, Total	101		-		80-119	-		
Cobalt, Total	103		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	101		-		51-150	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	92		-		74-126	-		
Manganese, Total	102		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	101		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696207-2 SRM Lot Number: 0518-10-02					
Zinc, Total	100	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG696454-2 SRM Lot Number: 0518-10-02					
Mercury, Total	114	-	67-133	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696207-4 QC Sample: L1411967-09 Client ID: MS Sample												
Aluminum, Total	4000	162	4800	494	Q	-	-		75-125	-		20
Antimony, Total	ND	40.4	36	89		-	-		75-125	-		20
Arsenic, Total	0.64J	9.71	11	113		-	-		75-125	-		20
Barium, Total	40.	162	190	93		-	-		75-125	-		20
Beryllium, Total	0.29J	4.04	4.4	109		-	-		75-125	-		20
Cadmium, Total	ND	4.12	4.0	97		-	-		75-125	-		20
Calcium, Total	8700	809	8000	0	Q	-	-		75-125	-		20
Chromium, Total	16.	16.2	32	99		-	-		75-125	-		20
Cobalt, Total	6.6	40.4	45	95		-	-		75-125	-		20
Copper, Total	16.	20.2	36	99		-	-		75-125	-		20
Iron, Total	22000	80.9	23000	1240	Q	-	-		75-125	-		20
Lead, Total	ND	41.2	39	94		-	-		75-125	-		20
Magnesium, Total	5300	809	5300	0	Q	-	-		75-125	-		20
Manganese, Total	500	40.4	450	0	Q	-	-		75-125	-		20
Nickel, Total	12.	40.4	48	89		-	-		75-125	-		20
Potassium, Total	1000	809	2000	124		-	-		75-125	-		20
Selenium, Total	0.29J	9.71	9.5	98		-	-		75-125	-		20
Silver, Total	ND	24.3	24	99		-	-		75-125	-		20
Sodium, Total	130J	809	1000	124		-	-		75-125	-		20
Thallium, Total	ND	9.71	8.4	86		-	-		75-125	-		20
Vanadium, Total	24.	40.4	63	96		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696207-4 QC Sample: L1411967-09 Client ID: MS Sample									
Zinc, Total	25.	40.4	74	121	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696454-4 QC Sample: L1411633-07 Client ID: MS Sample									
Mercury, Total	ND	0.156	0.18	116	-	-	80-120	-	35

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696207-3 QC Sample: L1411967-09 Client ID: DUP Sample						
Aluminum, Total	4000	3800	mg/kg	5		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	0.64J	1.4	mg/kg	NC		20
Barium, Total	40.	39	mg/kg	3		20
Beryllium, Total	0.29J	0.28J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	8700	7700	mg/kg	12		20
Chromium, Total	16.	14	mg/kg	13		20
Cobalt, Total	6.6	9.8	mg/kg	39	Q	20
Copper, Total	16.	15	mg/kg	6		20
Iron, Total	22000	23000	mg/kg	4		20
Lead, Total	ND	0.99J	mg/kg	NC		20
Magnesium, Total	5300	5200	mg/kg	2		20
Manganese, Total	500	470	mg/kg	6		20
Nickel, Total	12.	30	mg/kg	86	Q	20
Potassium, Total	1000	1000	mg/kg	0		20
Selenium, Total	0.29J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	130J	93J	mg/kg	NC		20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1411980
Report Date: 06/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696207-3 QC Sample: L1411967-09 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	24.	23	mg/kg	4	20
Zinc, Total	25.	24	mg/kg	4	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG696454-3 QC Sample: L1411633-07 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

SAMPLE RESULTS

Lab ID: L1411980-01

Client ID: F1-SW-11FTBG

Sample Location: 520 W 28TH ST., NYC

Matrix: Soil

Date Collected: 06/03/14 13:50

Date Received: 06/03/14

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	83.9		%	0.100	NA	1	-	06/04/14 19:01	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411980**Report Date:** 06/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG695143-1 QC Sample: L1411861-01 Client ID: DUP Sample						
Solids, Total	80.4	81.3	%	1		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411980

Report Date: 06/10/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/04/2014 02:59

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1411980-01A	5 gram Encore Sampler	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(2)
L1411980-01B	5 gram Encore Sampler	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(2)
L1411980-01C	5 gram Encore Sampler	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(2)
L1411980-01D	Plastic 2oz unpreserved for TS	A	N/A	2.7	Y	Absent	TS(7)
L1411980-01E	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1411980-01F	Amber 250ml unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1411980-01X	Vial MeOH preserved split	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1411980-01Y	Vial Water preserved split	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1411980-01Z	Vial Water preserved split	A	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1411980-02A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1411980-02B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411980
Report Date: 06/10/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411980
Report Date: 06/10/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411980
Report Date: 06/10/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1411861
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/10/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1411861-01	E1-SW-11 FTBG	520 W. 28TH ST., NYC	06/02/14 14:30
L1411861-02	DUPLICATE	520 W. 28TH ST., NYC	06/02/14 15:00
L1411861-03	FIELD BLANK-6-2-14	520 W. 28TH ST., NYC	06/02/14 15:00
L1411861-04	TRIP BLANK-6-2-14	520 W. 28TH ST., NYC	06/02/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

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.

Volatile Organics

L1411861-03: The Field Blank has results for toluene present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Semivolatile Organics

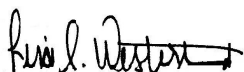
The WG694900-2/-3 LCS/LCSD recoveries, associated with L1411861-03, are below the acceptance criteria for benzoic acid (9%/9%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L1411861-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 06/10/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01
Client ID: E1-SW-11 FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/14 12:04
Analyst: MV
Percent Solids: 80%

Date Collected: 06/02/14 14:30
Date Received: 06/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01

Date Collected: 06/02/14 14:30

Client ID: E1-SW-11 FTBG

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylene (Total)	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01

Date Collected: 06/02/14 14:30

Client ID: E1-SW-11 FTBG

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	100	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02
Client ID: DUPLICATE
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/14 12:31
Analyst: MV
Percent Solids: 83%

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.22	1
Dibromochloromethane	ND		ug/kg	0.99	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.99	0.14	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	0.11	1
Bromodichloromethane	ND		ug/kg	0.99	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.99	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.14	1
Bromoform	ND		ug/kg	4.0	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.99	0.10	1
Benzene	ND		ug/kg	0.99	0.12	1
Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.99	0.13	1
Chloromethane	ND		ug/kg	4.9	0.29	1
Bromomethane	ND		ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.99	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.13	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02

Date Collected: 06/02/14 15:00

Client ID: DUPLICATE

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.08	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylene (Total)	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.14	1
1,2-Dichloroethene (total)	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	9.9	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.19	1
Acetone	ND		ug/kg	9.9	1.0	1
Carbon disulfide	ND		ug/kg	9.9	1.1	1
2-Butanone	1.5	J	ug/kg	9.9	0.27	1
Vinyl acetate	ND		ug/kg	9.9	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.9	0.16	1
2-Hexanone	ND		ug/kg	9.9	0.66	1
Bromochloromethane	ND		ug/kg	4.9	0.27	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.99	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.99	0.11	1
sec-Butylbenzene	ND		ug/kg	0.99	0.12	1
tert-Butylbenzene	ND		ug/kg	4.9	0.13	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.39	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.22	1
Isopropylbenzene	ND		ug/kg	0.99	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.12	1
Naphthalene	ND		ug/kg	4.9	0.14	1
Acrylonitrile	ND		ug/kg	9.9	0.51	1
n-Propylbenzene	ND		ug/kg	0.99	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02

Date Collected: 06/02/14 15:00

Client ID: DUPLICATE

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	99	14.	1
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16	1
4-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03
Client ID: FIELD BLANK-6-2-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/05/14 17:15
Analyst: PD

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
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
1,3-Dichloropropene, Total	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	2.8		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03

Date Collected: 06/02/14 15:00

Client ID: FIELD BLANK-6-2-14

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	2.7	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03

Date Collected: 06/02/14 15:00

Client ID: FIELD BLANK-6-2-14

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-04
Client ID: TRIP BLANK-6-2-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/05/14 17:43
Analyst: PD

Date Collected: 06/02/14 00:00
Date Received: 06/03/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-04

Date Collected: 06/02/14 00:00

Client ID: TRIP BLANK-6-2-14

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	1.9	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-04

Date Collected: 06/02/14 00:00

Client ID: TRIP BLANK-6-2-14

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/05/14 09:50
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG695383-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/05/14 09:50
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG695383-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/05/14 09:50
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG695383-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/l



Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8260C**Analytical Date:** 06/05/14 09:50**Analyst:** PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG695383-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/06/14 10:15
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG696082-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	0.35	J	ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/06/14 10:15
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG696082-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
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	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/06/14 10:15
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG696082-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/06/14 10:15

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG696082-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG695383-1 WG695383-2								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	96		94		70-130	2		20
Chloroform	101		99		70-130	2		20
2-Chloroethylvinyl ether	77		78		70-130	1		20
Carbon tetrachloride	96		93		63-132	3		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	92		92		63-130	0		20
1,1,2-Trichloroethane	97		99		70-130	2		20
Tetrachloroethene	97		96		70-130	1		20
Chlorobenzene	96		95		75-130	1		20
Trichlorofluoromethane	94		89		62-150	5		20
1,2-Dichloroethane	96		96		70-130	0		20
1,1,1-Trichloroethane	97		96		67-130	1		20
Bromodichloromethane	91		90		67-130	1		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	89		88		70-130	1		20
1,1-Dichloropropene	95		93		70-130	2		20
Bromoform	83		84		54-136	1		20
1,1,2,2-Tetrachloroethane	72		75		67-130	4		20
Benzene	96		94		70-130	2		20
Toluene	96		95		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG695383-1 WG695383-2								
Ethylbenzene	97		96		70-130	1		20
Chloromethane	99		97		64-130	2		20
Bromomethane	71		64		39-139	10		20
Vinyl chloride	96		91		55-140	5		20
Chloroethane	110		96		55-138	14		20
1,1-Dichloroethene	97		94		61-145	3		20
trans-1,2-Dichloroethene	98		95		70-130	3		20
Trichloroethene	97		96		70-130	1		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	97		95		70-130	2		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	95		95		63-130	0		20
p/m-Xylene	106		105		70-130	1		20
o-Xylene	104		102		70-130	2		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Dibromomethane	91		91		70-130	0		20
1,2,3-Trichloropropane	87		88		64-130	1		20
Acrylonitrile	94		96		70-130	2		20
Diisopropyl Ether	100		99		70-130	1		20
Tert-Butyl Alcohol	88		94		70-130	7		20
Styrene	108		106		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG695383-1 WG695383-2								
Dichlorodifluoromethane	96		92		36-147	4		20
Acetone	93		96		58-148	3		20
Carbon disulfide	95		92		51-130	3		20
2-Butanone	98		102		63-138	4		20
Vinyl acetate	100		102		70-130	2		20
4-Methyl-2-pentanone	86		89		59-130	3		20
2-Hexanone	83		87		57-130	5		20
Bromochloromethane	98		98		70-130	0		20
2,2-Dichloropropane	99		96		63-133	3		20
1,2-Dibromoethane	91		93		70-130	2		20
1,3-Dichloropropane	93		95		70-130	2		20
1,1,1,2-Tetrachloroethane	103		103		64-130	0		20
Bromobenzene	78		76		70-130	3		20
n-Butylbenzene	97		96		53-136	1		20
sec-Butylbenzene	91		89		70-130	2		20
tert-Butylbenzene	85		82		70-130	4		20
o-Chlorotoluene	89		87		70-130	2		20
p-Chlorotoluene	87		85		70-130	2		20
1,2-Dibromo-3-chloropropane	85		90		41-144	6		20
Hexachlorobutadiene	93		92		63-130	1		20
Isopropylbenzene	73		71		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG695383-1 WG695383-2								
p-Isopropyltoluene	93		91		70-130	2		20
Naphthalene	88		93		70-130	6		20
n-Propylbenzene	82		79		69-130	4		20
1,2,3-Trichlorobenzene	92		94		70-130	2		20
1,2,4-Trichlorobenzene	104		105		70-130	1		20
1,3,5-Trimethylbenzene	96		94		64-130	2		20
1,2,4-Trimethylbenzene	92		90		70-130	2		20
Methyl Acetate	85		93		70-130	9		20
Ethyl Acetate	95		99		70-130	4		20
Cyclohexane	98		95		70-130	3		20
Ethyl-Tert-Butyl-Ether	98		98		70-130	0		20
Tertiary-Amyl Methyl Ether	91		92		66-130	1		20
1,4-Dioxane	91		90		56-162	1		20
Freon-113	104		100		70-130	4		20
p-Diethylbenzene	94		92		70-130	2		20
p-Ethyltoluene	90		87		70-130	3		20
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		20
Ethyl ether	101		104		59-134	3		20
trans-1,4-Dichloro-2-butene	65	Q	68	Q	70-130	5		20
Methyl cyclohexane	94		90		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG695383-1 WG695383-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	84		82		70-130
Dibromofluoromethane	108		107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG696082-1 WG696082-2								
Methylene chloride	97		101		70-130	4		30
1,1-Dichloroethane	99		105		70-130	6		30
Chloroform	94		100		70-130	6		30
Carbon tetrachloride	90		97		70-130	7		30
1,2-Dichloropropane	101		106		70-130	5		30
Dibromochloromethane	80		88		70-130	10		30
2-Chloroethylvinyl ether	68	Q	75		70-130	10		30
1,1,2-Trichloroethane	95		102		70-130	7		30
Tetrachloroethene	94		97		70-130	3		30
Chlorobenzene	94		100		70-130	6		30
Trichlorofluoromethane	106		108		70-139	2		30
1,2-Dichloroethane	96		102		70-130	6		30
1,1,1-Trichloroethane	95		99		70-130	4		30
Bromodichloromethane	88		96		70-130	9		30
trans-1,3-Dichloropropene	87		95		70-130	9		30
cis-1,3-Dichloropropene	88		94		70-130	7		30
1,1-Dichloropropene	97		103		70-130	6		30
Bromoform	76		85		70-130	11		30
1,1,2,2-Tetrachloroethane	94		101		70-130	7		30
Benzene	97		102		70-130	5		30
Toluene	95		99		70-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG696082-1 WG696082-2								
Ethylbenzene	100		104		70-130	4		30
Chloromethane	89		92		52-130	3		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	112		115		67-130	3		30
Chloroethane	102		105		50-151	3		30
1,1-Dichloroethene	92		94		65-135	2		30
trans-1,2-Dichloroethene	92		97		70-130	5		30
Trichloroethene	97		102		70-130	5		30
1,2-Dichlorobenzene	92		99		70-130	7		30
1,3-Dichlorobenzene	94		100		70-130	6		30
1,4-Dichlorobenzene	94		100		70-130	6		30
Methyl tert butyl ether	88		94		66-130	7		30
p/m-Xylene	98		102		70-130	4		30
o-Xylene	98		102		70-130	4		30
cis-1,2-Dichloroethene	93		99		70-130	6		30
Dibromomethane	88		94		70-130	7		30
Styrene	98		103		70-130	5		30
Dichlorodifluoromethane	67		69		30-146	3		30
Acetone	98		102		54-140	4		30
Carbon disulfide	91		94		59-130	3		30
2-Butanone	86		92		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG696082-1 WG696082-2								
Vinyl acetate	85		94		70-130	10		30
4-Methyl-2-pentanone	90		101		70-130	12		30
1,2,3-Trichloropropane	95		105		68-130	10		30
2-Hexanone	82		91		70-130	10		30
Bromochloromethane	89		94		70-130	5		30
2,2-Dichloropropane	92		96		70-130	4		30
1,2-Dibromoethane	86		92		70-130	7		30
1,3-Dichloropropane	94		101		69-130	7		30
1,1,1,2-Tetrachloroethane	85		91		70-130	7		30
Bromobenzene	91		97		70-130	6		30
n-Butylbenzene	104		110		70-130	6		30
sec-Butylbenzene	100		105		70-130	5		30
tert-Butylbenzene	98		103		70-130	5		30
o-Chlorotoluene	107		111		70-130	4		30
p-Chlorotoluene	102		108		70-130	6		30
1,2-Dibromo-3-chloropropane	72		79		68-130	9		30
Hexachlorobutadiene	99		104		67-130	5		30
Isopropylbenzene	97		103		70-130	6		30
p-Isopropyltoluene	99		104		70-130	5		30
Naphthalene	86		95		70-130	10		30
Acrylonitrile	100		106		70-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG696082-1 WG696082-2								
Isopropyl Ether	100		106		66-130	6		30
tert-Butyl Alcohol	76		87		70-130	13		30
n-Propylbenzene	103		108		70-130	5		30
1,2,3-Trichlorobenzene	91		97		70-130	6		30
1,2,4-Trichlorobenzene	92		99		70-130	7		30
1,3,5-Trimethylbenzene	99		105		70-130	6		30
1,2,4-Trimethylbenzene	99		104		70-130	5		30
Methyl Acetate	86		92		51-146	7		30
Ethyl Acetate	91		99		70-130	8		30
Acrolein	50	Q	52	Q	70-130	4		30
Cyclohexane	109		115		59-142	5		30
1,4-Dioxane	96		102		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	91		95		50-139	4		30
1,4-Diethylbenzene	100		105		70-130	5		30
4-Ethyltoluene	99		104		70-130	5		30
1,2,4,5-Tetramethylbenzene	96		102		70-130	6		30
Tetrahydrofuran	92		102		66-130	10		30
Ethyl ether	78		83		67-130	6		30
trans-1,4-Dichloro-2-butene	88		95		70-130	8		30
Methyl cyclohexane	100		104		70-130	4		30
Ethyl-Tert-Butyl-Ether	96		102		70-130	6		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG696082-1 WG696082-2								
Tertiary-Amyl Methyl Ether	87		92		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	92		94		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01
Client ID: E1-SW-11 FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/14 03:24
Analyst: JB
Percent Solids: 80%

Date Collected: 06/02/14 14:30
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 17:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01

Date Collected: 06/02/14 14:30

Client ID: E1-SW-11 FTBG

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01

Date Collected: 06/02/14 14:30

Client ID: E1-SW-11 FTBG

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	104		0-136
4-Terphenyl-d14	94		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02
Client ID: DUPLICATE
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/14 03:52
Analyst: JB
Percent Solids: 83%

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 17:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02

Date Collected: 06/02/14 15:00

Client ID: DUPLICATE

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02

Date Collected: 06/02/14 15:00

Client ID: DUPLICATE

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	86		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03
Client ID: FIELD BLANK-6-2-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/08/14 20:15
Analyst: JB

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/04/14 12:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03

Date Collected: 06/02/14 15:00

Client ID: FIELD BLANK-6-2-14

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	91		41-149

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03
Client ID: FIELD BLANK-6-2-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/07/14 09:27
Analyst: MW

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/04/14 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	67		15-120
4-Terphenyl-d14	90		41-149

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/08/14 15:30
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 06/04/14 12:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG694900-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78



Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/08/14 15:30
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 06/04/14 12:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG694900-1					
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	100		41-149

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 06/07/14 08:16
 Analyst: MW

Extraction Method: EPA 3510C
 Extraction Date: 06/04/14 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG694903-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D-SIM
Analytical Date: 06/07/14 08:16
Analyst: MWExtraction Method: EPA 3510C
Extraction Date: 06/04/14 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG694903-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	90		41-149

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/09/14 20:59
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/05/14 17:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG695473-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/09/14 20:59
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/05/14 17:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG695473-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/09/14 20:59
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 06/05/14 17:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG695473-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	32		23-120
2-Fluorobiphenyl	35		30-120
2,4,6-Tribromophenol	41		0-136
4-Terphenyl-d14	50		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG694900-2 WG694900-3								
1,2,4-Trichlorobenzene	37	Q	43		39-98	15		30
Bis(2-chloroethyl)ether	52		60		40-140	14		30
1,2-Dichlorobenzene	38	Q	45		40-140	17		30
1,3-Dichlorobenzene	36	Q	42		40-140	15		30
1,4-Dichlorobenzene	38		43		36-97	12		30
3,3'-Dichlorobenzidine	71		77		40-140	8		30
2,4-Dinitrotoluene	79		94		24-96	17		30
2,6-Dinitrotoluene	77		91		40-140	17		30
4-Chlorophenyl phenyl ether	66		76		40-140	14		30
4-Bromophenyl phenyl ether	72		83		40-140	14		30
Bis(2-chloroisopropyl)ether	48		56		40-140	15		30
Bis(2-chloroethoxy)methane	56		68		40-140	19		30
Hexachlorocyclopentadiene	18	Q	24	Q	40-140	29		30
Isophorone	58		69		40-140	17		30
Nitrobenzene	51		61		40-140	18		30
NitrosoDiPhenylAmine(NDPA)/DPA	71		82		40-140	14		30
n-Nitrosodi-n-propylamine	55		66		29-132	18		30
Bis(2-ethylhexyl)phthalate	77		90		40-140	16		30
Butyl benzyl phthalate	76		88		40-140	15		30
Di-n-butylphthalate	78		90		40-140	14		30
Di-n-octylphthalate	74		87		40-140	16		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG694900-2 WG694900-3								
Diethyl phthalate	75		89		40-140	17		30
Dimethyl phthalate	73		85		40-140	15		30
Biphenyl	52		60			14		30
4-Chloroaniline	64		50		40-140	25		30
2-Nitroaniline	73		88		52-143	19		30
3-Nitroaniline	69		76		25-145	10		30
4-Nitroaniline	76		89		51-143	16		30
Dibenzofuran	63		72		40-140	13		30
1,2,4,5-Tetrachlorobenzene	43		50		2-134	15		30
Acetophenone	56		66		39-129	16		30
2,4,6-Trichlorophenol	68		83		30-130	20		30
P-Chloro-M-Cresol	69		85		23-97	21		30
2-Chlorophenol	52		61		27-123	16		30
2,4-Dichlorophenol	58		71		30-130	20		30
2,4-Dimethylphenol	57		67		30-130	16		30
2-Nitrophenol	55		66		30-130	18		30
4-Nitrophenol	44		53		10-80	19		30
2,4-Dinitrophenol	71		82		20-130	14		30
4,6-Dinitro-o-cresol	74		89		20-164	18		30
Phenol	27		31		12-110	14		30
2-Methylphenol	49		57		30-130	15		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG694900-2 WG694900-3								
3-Methylphenol/4-Methylphenol	50		60		30-130	18		30
2,4,5-Trichlorophenol	72		86		30-130	18		30
Benzoic Acid	9	Q	9	Q		2		30
Benzyl Alcohol	48		56			15		30
Carbazole	76		88		55-144	15		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		44		21-120
Phenol-d6	26		32		10-120
Nitrobenzene-d5	58		69		23-120
2-Fluorobiphenyl	63		75		15-120
2,4,6-Tribromophenol	78		92		10-120
4-Terphenyl-d14	83		95		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG694903-2 WG694903-3								
Acenaphthene	62		60		37-111	3		40
2-Chloronaphthalene	63		61		40-140	3		40
Fluoranthene	85		79		40-140	7		40
Hexachlorobutadiene	51		49		40-140	4		40
Naphthalene	56		53		40-140	6		40
Benzo(a)anthracene	88		81		40-140	8		40
Benzo(a)pyrene	86		77		40-140	11		40
Benzo(b)fluoranthene	89		81		40-140	9		40
Benzo(k)fluoranthene	84		74		40-140	13		40
Chrysene	84		78		40-140	7		40
Acenaphthylene	67		64		40-140	5		40
Anthracene	77		73		40-140	5		40
Benzo(ghi)perylene	81		64		40-140	23		40
Fluorene	71		68		40-140	4		40
Phenanthrene	78		73		40-140	7		40
Dibenzo(a,h)anthracene	88		75		40-140	16		40
Indeno(1,2,3-cd)Pyrene	84		69		40-140	20		40
Pyrene	85		79		26-127	7		40
2-Methylnaphthalene	62		60		40-140	3		40
Pentachlorophenol	77		70		9-103	10		40
Hexachlorobenzene	76		71		40-140	7		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG694903-2 WG694903-3								
Hexachloroethane	47		44		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		33		21-120
Phenol-d6	24		22		10-120
Nitrobenzene-d5	51		48		23-120
2-Fluorobiphenyl	65		65		15-120
2,4,6-Tribromophenol	95		90		10-120
4-Terphenyl-d14	82		76		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG695473-2 WG695473-3								
Acenaphthene	95		88		31-137	8		50
1,2,4-Trichlorobenzene	91		83		38-107	9		50
Hexachlorobenzene	106		100		40-140	6		50
Bis(2-chloroethyl)ether	92		79		40-140	15		50
2-Chloronaphthalene	100		87		40-140	14		50
1,2-Dichlorobenzene	92		82		40-140	11		50
1,3-Dichlorobenzene	88		77		40-140	13		50
1,4-Dichlorobenzene	89		79		28-104	12		50
3,3'-Dichlorobenzidine	66		67		40-140	2		50
2,4-Dinitrotoluene	101	Q	98	Q	28-89	3		50
2,6-Dinitrotoluene	106		94		40-140	12		50
Fluoranthene	100		96		40-140	4		50
4-Chlorophenyl phenyl ether	98		93		40-140	5		50
4-Bromophenyl phenyl ether	99		94		40-140	5		50
Bis(2-chloroisopropyl)ether	84		75		40-140	11		50
Bis(2-chloroethoxy)methane	91		82		40-117	10		50
Hexachlorobutadiene	91		81		40-140	12		50
Hexachlorocyclopentadiene	103		89		40-140	15		50
Hexachloroethane	84		75		40-140	11		50
Isophorone	89		79		40-140	12		50
Naphthalene	92		82		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG695473-2 WG695473-3								
Nitrobenzene	90		80		40-140	12		50
NitrosoDiPhenylAmine(NDPA)/DPA	101		95			6		50
n-Nitrosodi-n-propylamine	89		78		32-121	13		50
Bis(2-Ethylhexyl)phthalate	90		88		40-140	2		50
Butyl benzyl phthalate	95		92		40-140	3		50
Di-n-butylphthalate	95		93		40-140	2		50
Di-n-octylphthalate	92		88		40-140	4		50
Diethyl phthalate	93		92		40-140	1		50
Dimethyl phthalate	98		92		40-140	6		50
Benzo(a)anthracene	97		94		40-140	3		50
Benzo(a)pyrene	98		97		40-140	1		50
Benzo(b)fluoranthene	94		94		40-140	0		50
Benzo(k)fluoranthene	100		99		40-140	1		50
Chrysene	99		95		40-140	4		50
Acenaphthylene	102		88		40-140	15		50
Anthracene	104		100		40-140	4		50
Benzo(ghi)perylene	95		95		40-140	0		50
Fluorene	98		94		40-140	4		50
Phenanthrene	99		97		40-140	2		50
Dibenzo(a,h)anthracene	96		94		40-140	2		50
Indeno(1,2,3-cd)Pyrene	95		94		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG695473-2 WG695473-3								
Pyrene	100		97		35-142	3		50
Biphenyl	90		82			9		50
4-Chloroaniline	59		41		40-140	36		50
2-Nitroaniline	103		92		47-134	11		50
3-Nitroaniline	78		66		26-129	17		50
4-Nitroaniline	95		87		41-125	9		50
Dibenzofuran	97		91		40-140	6		50
2-Methylnaphthalene	97		84		40-140	14		50
1,2,4,5-Tetrachlorobenzene	91		84		40-117	8		50
Acetophenone	91		79		14-144	14		50
2,4,6-Trichlorophenol	105		94		30-130	11		50
P-Chloro-M-Cresol	105	Q	95		26-103	10		50
2-Chlorophenol	97		86		25-102	12		50
2,4-Dichlorophenol	105		92		30-130	13		50
2,4-Dimethylphenol	97		84		30-130	14		50
2-Nitrophenol	96		86		30-130	11		50
4-Nitrophenol	99		100		11-114	1		50
2,4-Dinitrophenol	95		89		4-130	7		50
4,6-Dinitro-o-cresol	103		98		10-130	5		50
Pentachlorophenol	113	Q	113	Q	17-109	0		50
Phenol	97	Q	86		26-90	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG695473-2 WG695473-3								
2-Methylphenol	98		89		30-130.	10		50
3-Methylphenol/4-Methylphenol	103		91		30-130	12		50
2,4,5-Trichlorophenol	110		99		30-130	11		50
Benzoic Acid	46		44			4		50
Benzyl Alcohol	97		87		40-140	11		50
Carbazole	97		97		54-128	0		50
Benzaldehyde	89		35			87	Q	50
Caprolactam	90		83			8		50
Atrazine	90		84			7		50
2,3,4,6-Tetrachlorophenol	107		101			6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		88		25-120
Phenol-d6	90		92		10-120
Nitrobenzene-d5	80		80		23-120
2-Fluorobiphenyl	90		85		30-120
2,4,6-Tribromophenol	98		105		0-136
4-Terphenyl-d14	91		98		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01
Client ID: E1-SW-11 FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/06/14 16:16
Analyst: JW
Percent Solids: 80%

Date Collected: 06/02/14 14:30
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 16:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.22	1	A
Aroclor 1221	ND		ug/kg	40.8	3.76	1	A
Aroclor 1232	ND		ug/kg	40.8	4.78	1	A
Aroclor 1242	ND		ug/kg	40.8	5.00	1	A
Aroclor 1248	ND		ug/kg	40.8	3.45	1	A
Aroclor 1254	ND		ug/kg	40.8	3.36	1	A
Aroclor 1260	ND		ug/kg	40.8	3.11	1	A
Aroclor 1262	ND		ug/kg	40.8	2.02	1	A
Aroclor 1268	ND		ug/kg	40.8	5.92	1	A
PCBs, Total	ND		ug/kg	40.8	2.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02
Client ID: DUPLICATE
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/06/14 16:30
Analyst: JW
Percent Solids: 83%

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 16:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	3.07	1	A
Aroclor 1221	ND		ug/kg	38.8	3.58	1	A
Aroclor 1232	ND		ug/kg	38.8	4.55	1	A
Aroclor 1242	ND		ug/kg	38.8	4.75	1	A
Aroclor 1248	ND		ug/kg	38.8	3.28	1	A
Aroclor 1254	ND		ug/kg	38.8	3.19	1	A
Aroclor 1260	ND		ug/kg	38.8	2.96	1	A
Aroclor 1262	ND		ug/kg	38.8	1.93	1	A
Aroclor 1268	ND		ug/kg	38.8	5.63	1	A
PCBs, Total	ND		ug/kg	38.8	1.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03
Client ID: FIELD BLANK-6-2-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/05/14 18:07
Analyst: JW

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/04/14 17:03
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/05/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/05/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/05/14 17:11
 Analyst: JW

Extraction Method: EPA 3510C
 Extraction Date: 06/04/14 17:03
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/05/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/05/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG695113-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	102		30-150	B
Decachlorobiphenyl	94		30-150	A

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/06/14 17:54
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/05/14 16:37
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG695467-1						
Aroclor 1016	ND		ug/kg	32.8	2.59	A
Aroclor 1221	ND		ug/kg	32.8	3.03	A
Aroclor 1232	ND		ug/kg	32.8	3.85	A
Aroclor 1242	ND		ug/kg	32.8	4.02	A
Aroclor 1248	ND		ug/kg	32.8	2.77	A
Aroclor 1254	ND		ug/kg	32.8	2.70	A
Aroclor 1260	ND		ug/kg	32.8	2.50	A
Aroclor 1262	ND		ug/kg	32.8	1.63	A
Aroclor 1268	ND		ug/kg	32.8	4.76	A
PCBs, Total	ND		ug/kg	32.8	1.63	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	85		30-150	A
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG695113-2 WG695113-3									
Aroclor 1016	75		78		40-140	4		50	A
Aroclor 1260	64		64		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		66		30-150	B
Decachlorobiphenyl	79		77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		62		30-150	A
Decachlorobiphenyl	78		76		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG695467-2 WG695467-3									
Aroclor 1016	90		88		40-140	2		50	A
Aroclor 1260	76		77		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		82		30-150	A
Decachlorobiphenyl	85		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		88		30-150	B
Decachlorobiphenyl	90		93		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-01
Client ID: E1-SW-11 FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/07/14 05:28
Analyst: JW
Percent Solids: 80%

Date Collected: 06/02/14 14:30
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 11:44
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.799	0.357	1	A
Alpha-BHC	ND		ug/kg	0.799	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.727	1	A
Heptachlor	ND		ug/kg	0.959	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.675	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.799	0.328	1	A
Dieldrin	ND		ug/kg	1.20	0.600	1	A
4,4'-DDE	ND		ug/kg	1.92	0.444	1	A
4,4'-DDD	ND		ug/kg	1.92	0.684	1	A
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.799	0.380	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
cis-Chlordane	ND		ug/kg	2.40	0.668	1	A
trans-Chlordane	ND		ug/kg	2.40	0.633	1	A
Chlordane	ND		ug/kg	15.6	6.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-02
Client ID: DUPLICATE
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/07/14 05:41
Analyst: JW
Percent Solids: 83%

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/05/14 11:44
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.776	0.347	1	A
Alpha-BHC	ND		ug/kg	0.776	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.706	1	A
Heptachlor	ND		ug/kg	0.931	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.776	0.318	1	A
Dieldrin	ND		ug/kg	1.16	0.582	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.664	1	A
4,4'-DDT	ND		ug/kg	3.49	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.776	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.09	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.1	6.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14**SAMPLE RESULTS**

Lab ID: L1411861-03
Client ID: FIELD BLANK-6-2-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/08/14 00:54
Analyst: GP

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/04/14 16:43
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/08/14 00:14
 Analyst: GP

Extraction Method: EPA 3510C
 Extraction Date: 06/04/14 16:43
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG695103-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	106		30-150	A
Decachlorobiphenyl	667	Q	30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/07/14 03:29
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/05/14 11:44
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 06/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG695356-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.788	0.353	A
Aldrin	ND		ug/kg	1.58	0.555	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	A
Endrin	ND		ug/kg	0.656	0.269	A
Dieldrin	ND		ug/kg	0.985	0.492	A
4,4'-DDE	ND		ug/kg	1.58	0.364	A
4,4'-DDD	ND		ug/kg	1.58	0.562	A
4,4'-DDT	ND		ug/kg	2.95	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.372	A
Endosulfan II	ND		ug/kg	1.58	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.919	A
cis-Chlordane	ND		ug/kg	1.97	0.549	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	12.8	5.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	97		30-150	A
Decachlorobiphenyl	92		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG695103-2 WG695103-3									
Delta-BHC	120		125		30-150	4		20	A
Lindane	116		122		30-150	5		20	A
Alpha-BHC	121		126		30-150	4		20	A
Beta-BHC	97		101		30-150	4		20	A
Heptachlor	121		128		30-150	6		20	A
Aldrin	111		119		30-150	7		20	A
Heptachlor epoxide	112		117		30-150	4		20	A
Endrin	119		126		30-150	6		20	A
Endrin ketone	110		119		30-150	8		20	A
Dieldrin	119		123		30-150	3		20	A
4,4'-DDE	113		119		30-150	5		20	A
4,4'-DDD	124		132		30-150	6		20	A
4,4'-DDT	137		145		30-150	6		20	A
Endosulfan I	116		122		30-150	5		20	A
Endosulfan II	116		123		30-150	6		20	A
Endosulfan sulfate	115		123		30-150	7		20	A
Methoxychlor	126		136		30-150	8		20	A
cis-Chlordane	109		113		30-150	4		20	A
trans-Chlordane	112		118		30-150	5		20	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411861**Report Date:** 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG695103-2 WG695103-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		90		30-150	A
Decachlorobiphenyl	101		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		90		30-150	B
Decachlorobiphenyl	102		102		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG695356-2 WG695356-3									
Delta-BHC	103		111		30-150	7		30	A
Lindane	105		113		30-150	7		30	A
Alpha-BHC	108		117		30-150	8		30	A
Beta-BHC	87		94		30-150	8		30	A
Heptachlor	115		124		30-150	8		30	A
Aldrin	106		115		30-150	8		30	A
Heptachlor epoxide	99		108		30-150	9		30	A
Endrin	104		116		30-150	11		30	A
Endrin ketone	96		111		30-150	14		30	A
Dieldrin	101		113		30-150	11		30	A
4,4'-DDE	98		109		30-150	11		30	A
4,4'-DDD	105		118		30-150	12		30	A
4,4'-DDT	121		138		30-150	13		30	A
Endosulfan I	101		112		30-150	10		30	A
Endosulfan II	99		111		30-150	11		30	A
Endosulfan sulfate	99		113		30-150	13		30	A
Methoxychlor	106		123		30-150	15		30	A
cis-Chlordane	96		106		30-150	10		30	A
trans-Chlordane	100		111		30-150	10		30	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411861**Report Date:** 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG695356-2 WG695356-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		90		30-150	A
Decachlorobiphenyl	79		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		86		30-150	B
Decachlorobiphenyl	75		84		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

SAMPLE RESULTS

Lab ID: L1411861-01

Date Collected: 06/02/14 14:30

Client ID: E1-SW-11 FTBG

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	9.6	1.9	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Arsenic, Total	2.6		mg/kg	0.96	0.19	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Barium, Total	46		mg/kg	0.96	0.29	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Beryllium, Total	0.31	J	mg/kg	0.48	0.10	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.96	0.07	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Calcium, Total	2000		mg/kg	9.6	2.9	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.96	0.19	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Cobalt, Total	6.2		mg/kg	1.9	0.48	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Copper, Total	39		mg/kg	0.96	0.19	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.8	1.9	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Lead, Total	10		mg/kg	4.8	0.19	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Magnesium, Total	2600		mg/kg	9.6	0.96	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Manganese, Total	240		mg/kg	0.96	0.19	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	06/06/14 07:47	06/06/14 10:05	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.4	0.38	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Potassium, Total	970		mg/kg	240	38.	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Selenium, Total	0.42	J	mg/kg	1.9	0.29	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Sodium, Total	270		mg/kg	190	29.	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.96	0.10	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT
Zinc, Total	40		mg/kg	4.8	0.67	2	06/09/14 09:31	06/09/14 17:25	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

SAMPLE RESULTS

Lab ID: L1411861-02

Date Collected: 06/02/14 15:00

Client ID: DUPLICATE

Date Received: 06/03/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7900		mg/kg	9.2	1.8	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.73	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Arsenic, Total	3.0		mg/kg	0.92	0.18	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Barium, Total	39		mg/kg	0.92	0.28	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Beryllium, Total	0.34	J	mg/kg	0.46	0.09	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.92	0.06	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Calcium, Total	1200		mg/kg	9.2	2.8	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.92	0.18	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Cobalt, Total	5.6		mg/kg	1.8	0.46	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Copper, Total	12		mg/kg	0.92	0.18	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.6	1.8	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Lead, Total	6.0		mg/kg	4.6	0.18	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Magnesium, Total	2500		mg/kg	9.2	0.92	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.92	0.18	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	06/06/14 07:47	06/06/14 10:07	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.3	0.37	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Potassium, Total	550		mg/kg	230	37.	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Selenium, Total	0.50	J	mg/kg	1.8	0.28	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	180	28.	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.92	0.09	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT
Zinc, Total	28		mg/kg	4.6	0.64	2	06/09/14 09:31	06/09/14 17:29	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

SAMPLE RESULTS

Lab ID: L1411861-03
 Client ID: FIELD BLANK-6-2-14
 Sample Location: 520 W. 28TH ST., NYC
 Matrix: Water

Date Collected: 06/02/14 15:00
 Date Received: 06/03/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00257	J	mg/l	0.0100	0.00200	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Barium, Total	0.00011	J	mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Chromium, Total	ND		mg/l	0.00100	0.00020	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Magnesium, Total	0.00369	J	mg/l	0.0700	0.00243	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Manganese, Total	ND		mg/l	0.00100	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/06/14 10:24	06/07/14 09:48	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Sodium, Total	0.0438	J	mg/l	0.100	0.0150	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM
Zinc, Total	0.00596	J	mg/l	0.01000	0.00120	1	06/04/14 08:16	06/04/14 20:04	EPA 3005A	1,6020A	BM



Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG694853-1										
Aluminum, Total	0.00202	J	mg/l	0.0100	0.00200	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Chromium, Total	ND		mg/l	0.00100	0.00020	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Magnesium, Total	0.00249	J	mg/l	0.0700	0.00243	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Manganese, Total	ND		mg/l	0.00100	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Sodium, Total	0.0243	J	mg/l	0.100	0.0150	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM
Zinc, Total	0.00399	J	mg/l	0.01000	0.00120	1	06/04/14 08:16	06/04/14 17:17	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG695406-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/06/14 07:47	06/06/14 09:39	1,7471B	MC



Project Name: 520 WEST 28TH STREET

Lab Number: L1411861

Project Number: E040

Report Date: 06/10/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG695654-1									
Mercury, Total	ND	mg/l	0.00020	0.00006	1	06/06/14 10:24	06/07/14 09:44	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG696145-1									
Aluminum, Total	ND	mg/kg	4.0	0.80	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Antimony, Total	ND	mg/kg	2.0	0.32	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Arsenic, Total	ND	mg/kg	0.40	0.08	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Barium, Total	ND	mg/kg	0.40	0.12	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Beryllium, Total	ND	mg/kg	0.20	0.04	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Cadmium, Total	ND	mg/kg	0.40	0.03	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Calcium, Total	ND	mg/kg	4.0	1.2	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Cobalt, Total	ND	mg/kg	0.80	0.20	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Copper, Total	ND	mg/kg	0.40	0.08	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Iron, Total	ND	mg/kg	2.0	0.80	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Lead, Total	ND	mg/kg	2.0	0.08	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Magnesium, Total	ND	mg/kg	4.0	0.40	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Nickel, Total	ND	mg/kg	1.0	0.16	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Potassium, Total	ND	mg/kg	100	16.	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Selenium, Total	ND	mg/kg	0.80	0.12	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Silver, Total	ND	mg/kg	0.40	0.08	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Sodium, Total	ND	mg/kg	80	12.	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Thallium, Total	ND	mg/kg	0.80	0.16	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT



Project Name: 520 WEST 28TH STREET**Lab Number:** L1411861**Project Number:** E040**Report Date:** 06/10/14

Method Blank Analysis Batch Quality Control

Zinc, Total	ND	mg/kg	2.0	0.28	1	06/09/14 09:31	06/09/14 16:34	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG694853-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	98		-		80-120	-		
Arsenic, Total	100		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	100		-		80-120	-		
Cadmium, Total	108		-		80-120	-		
Calcium, Total	98		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	101		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	101		-		80-120	-		
Lead, Total	103		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	96		-		80-120	-		
Potassium, Total	103		-		80-120	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	107		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	100		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG694853-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG695406-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG695654-2					
Mercury, Total	112	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG696145-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	109	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	102	-	82-117	-	
Calcium, Total	102	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	102	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	97	-	74-126	-	
Manganese, Total	100	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	107	-	74-126	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	102	-	66-134	-	
Sodium, Total	109	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411861**Report Date:** 06/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG696145-2 SRM Lot Number: 0518-10-02					
Zinc, Total	106	-	82-119	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03			QC Batch ID: WG694853-4		QC Sample: L1411963-02			Client ID: MS Sample				
Aluminum, Total	0.0764	2	2.10	101		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.5484	110		-	-		75-125	-		20
Arsenic, Total	0.00391	0.12	0.1270	102		-	-		75-125	-		20
Barium, Total	2.398	2	4.468	104		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05112	102		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05444	107		-	-		75-125	-		20
Calcium, Total	332.	10	345	130	Q	-	-		75-125	-		20
Chromium, Total	0.00193J	0.2	0.1949	97		-	-		75-125	-		20
Cobalt, Total	0.00061J	0.5	0.4988	100		-	-		75-125	-		20
Copper, Total	0.00158J	0.25	0.2492	100		-	-		75-125	-		20
Iron, Total	ND	1	0.940	94		-	-		75-125	-		20
Lead, Total	0.00483J	0.51	0.5518	108		-	-		75-125	-		20
Magnesium, Total	36.5	10	50.4	139	Q	-	-		75-125	-		20
Manganese, Total	0.07895	0.5	0.5596	96		-	-		75-125	-		20
Nickel, Total	0.00757	0.5	0.4776	94		-	-		75-125	-		20
Potassium, Total	71.6	10	85.9	143	Q	-	-		75-125	-		20
Selenium, Total	0.00518J	0.12	0.0434	36	Q	-	-		75-125	-		20
Silver, Total	ND	0.05	0.04746	95		-	-		75-125	-		20
Sodium, Total	1540	10	1560	200	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1220	102		-	-		75-125	-		20
Vanadium, Total	0.00087J	0.5	0.5046	101		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG694853-4 QC Sample: L1411963-02 Client ID: MS Sample									
Zinc, Total	0.00981J	0.5	0.4908	98	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG695406-4 QC Sample: L1412102-01 Client ID: MS Sample									
Mercury, Total	ND	0.148	0.19	128	Q	-	80-120	-	35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG695654-4 QC Sample: L1411861-03 Client ID: FIELD BLANK-6-2-14									
Mercury, Total	ND	0.005	0.00522	104	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG696145-4 WG696145-7 QC Sample: L1411966-01 Client ID: MS Sample											
Aluminum, Total	16000	197	17000	508	Q	15000	0	Q	75-125	13	20
Antimony, Total	ND	49.2	40	81		40	80		75-125	0	20
Arsenic, Total	2.3	11.8	14	99		13	89		75-125	7	20
Barium, Total	150	197	330	91		320	85		75-125	3	20
Beryllium, Total	0.62	4.92	5.3	95		5.3	94		75-125	0	20
Cadmium, Total	ND	5.02	4.4	88		4.5	88		75-125	2	20
Calcium, Total	2800	984	4100	132	Q	4000	120		75-125	2	20
Chromium, Total	43.	19.7	61	91		58	75		75-125	5	20
Cobalt, Total	15.	49.2	59	89		59	88		75-125	0	20
Copper, Total	32.	24.6	57	102		56	96		75-125	2	20
Iron, Total	33000	98.4	32000	0	Q	30000	0	Q	75-125	6	20
Lead, Total	9.6	50.2	55	90		54	87		75-125	2	20
Magnesium, Total	7400	984	8600	122		8100	70	Q	75-125	6	20
Manganese, Total	400	49.2	470	142	Q	450	100		75-125	4	20
Nickel, Total	31.	49.2	76	91		73	84		75-125	4	20
Potassium, Total	6600	984	7700	112		7100	50	Q	75-125	8	20
Selenium, Total	1.5J	11.8	12	102		12	100		75-125	0	20
Silver, Total	ND	29.5	30	102		29	97		75-125	3	20
Sodium, Total	230	984	1400	119		1400	117		75-125	0	20
Thallium, Total	ND	11.8	8.6	73	Q	8.7	72	Q	75-125	1	20
Vanadium, Total	48.	49.2	95	96		93	90		75-125	2	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG696145-4 WG696145-7 QC Sample: L1411966-01 Client ID: MS Sample									
Zinc, Total	78.	49.2	120	85	120	84	75-125	0	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG694853-3 QC Sample: L1411963-02 Client ID: DUP Sample						
Aluminum, Total	0.0764	0.0825	mg/l	8		20
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.00391	0.00400	mg/l	2		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00193J	0.00220J	mg/l	NC		20
Cobalt, Total	0.00061J	0.00071J	mg/l	NC		20
Copper, Total	0.00158J	0.00188J	mg/l	NC		20
Iron, Total	ND	ND	mg/l	NC		20
Lead, Total	0.00483J	0.00538	mg/l	NC		20
Magnesium, Total	36.5	41.7	mg/l	13		20
Manganese, Total	0.07895	0.08750	mg/l	10		20
Nickel, Total	0.00757	0.00842	mg/l	11		20
Potassium, Total	71.6	80.2	mg/l	11		20
Selenium, Total	0.00518J	0.00602J	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	0.00087J	0.00113J	mg/l	NC		20
Zinc, Total	0.00981J	0.00889J	mg/l	NC		20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1411861
Report Date: 06/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG694853-3 QC Sample: L1411963-02 Client ID: DUP Sample					
Barium, Total	2.398	2.680	mg/l	11	20
Calcium, Total	332.	356	mg/l	7	20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG694853-3 QC Sample: L1411963-02 Client ID: DUP Sample					
Sodium, Total	1540	1710	mg/l	10	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG695406-3 QC Sample: L1412102-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG695654-3 QC Sample: L1411861-03 Client ID: FIELD BLANK-6-2-14					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

SAMPLE RESULTS

Lab ID: L1411861-01
Client ID: E1-SW-11 FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil

Date Collected: 06/02/14 14:30
Date Received: 06/03/14
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	80.4		%	0.100	NA	1	-	06/04/14 19:01	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

SAMPLE RESULTS

Lab ID: L1411861-02
Client ID: DUPLICATE
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil

Date Collected: 06/02/14 15:00
Date Received: 06/03/14
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	82.8		%	0.100	NA	1	-	06/04/14 19:01	30,2540G	RT



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1411861**Report Date:** 06/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG695143-1 QC Sample: L1411861-01 Client ID: E1-SW-11 FTBG						
Solids, Total	80.4	81.3	%	1		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/04/2014 01:34

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1411861-01A	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1411861-01B	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1411861-01C	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1411861-01D	Plastic 2oz unpreserved for TS	A	N/A	3.3	Y	Absent	TS(7)
L1411861-01E	Amber 120ml unpreserved	A	N/A	3.3	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411861-01F	Amber 250ml unpreserved	A	N/A	3.3	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411861-01X	Vial MeOH preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1411861-01Y	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1411861-01Z	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1411861-02A	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1411861-02B	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1411861-02C	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1411861-02D	Plastic 2oz unpreserved for TS	A	N/A	3.3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411861

Report Date: 06/10/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1411861-02E	Amber 120ml unpreserved	A	N/A	3.3	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411861-02F	Amber 250ml unpreserved	A	N/A	3.3	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411861-02X	Vial MeOH preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1411861-02Y	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1411861-02Z	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1411861-03A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1411861-03B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1411861-03C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1411861-03D	Plastic 500ml HNO3 preserved	A	<2	3.3	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1411861-03E	Amber 500ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8081(7)
L1411861-03F	Amber 500ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8081(7)
L1411861-03G	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1411861-03H	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1411861-03I	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1411861-03J	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411861**Report Date:** 06/10/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1411861-04A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1411861-04B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411861
Report Date: 06/10/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.


**NEW YORK
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1

of 1

Date Rec'd
in Lab

6/3/14

ALPHA Job #

119/1461

Project Information
Project Name: SLO WEST 28th, STREETProject Location: SLO W 28th ST, NYCProject # ED4D(Use Project name as Project #) ☐Project Manager: ALANA CARROLL

ALPHAQuote #:

Turn-Around Time

Standard ☒ Rush (only if pre approved) ☐ Due Date: 6/1/14

of Days:

Deliverables
☐ ASP-A☐ ASP-B☐ EQuIS (1 File)☐ EQuIS (4 File)☒ Other
Billing Information
☐ Same as Client Info

PO #

Regulatory Requirement
☐ NY TOGS☒ NY Part 375☐ AWQ Standards☒ NY CP-51☐ NY Restricted Use☐ Other☐ NY Unrestricted Use☐ NYC Sewer Discharge
Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ☐ NY☐ Other:
Client Information
Client: INTEGRAL CONSULTING INC.Address: 61 BROADWAY SUITE 1601
NY, NYPhone: 212-440-6715Fax: SMCTAVEY@INTEGRAL-CON.COMEmail: ACARROLL@These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										Sample Filtration	Sample Specific Comments	Total Bottles
		Date	Time			TCL VOC's 114 8200	PAT 375 + CP-51	TCL SVOC's 114 8200	PAT 375 + CP-51	TAL METALS 60100	7471B: PAT 375 + CP-51	TOTAL PCB'S 114 60200	PAT 375 + CP-51	PESTICIDES 114 60810	PAT 375 + CP-51			
114-61A	E1-SW-11 F103	6/2/14	14:30	S	SM	X	X	X	X	X	X	X	X	X	X		CAT. B DELIVERABLES	6
2	DUPLICATE		15:00	S	SM	X	X	X	X	X	X	X	X	X	X			6
13	FIELD BLANK-6.2.14	1	15:00	AQ	SM	X	X	X	X	X	X	X	X	X	X			10
2	TRIP BLANK-6.2.14	1	-	AQ	SM	X												2

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

E/V A A/D A A

Preservative

B A/C A A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Relinquished By:

Date/Time

[Signature]

6/3/14 7:35

Received By:

Date/Time

[Signature]

6/3/14 7:35

[Signature]

6-3-14 2300

[Signature]

6/3/14 2300



ANALYTICAL REPORT

Lab Number:	L1411718
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/11/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411718
Report Date: 06/11/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1411718-01	D1-SW-12FTBG	520 W. 28TH ST., NYC	05/30/14 08:15
L1411718-02	TRIP BLANK-53014	520 W. 28TH ST., NYC	05/30/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411718
Report Date: 06/11/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411718
Report Date: 06/11/14

Case Narrative (continued)

Report Submission

This report replaces the report issued June 6, 2014. L1411718-01 was re-analyzed for Semivolatile Organics.

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

Volatile Organics

L1411718-01 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Total Metals

L1411718-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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: 06/11/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01
Client ID: D1-SW-12FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/03/14 13:41
Analyst: BN
Percent Solids: 83%

Date Collected: 05/30/14 08:15
Date Received: 05/30/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2800	310	4
1,1-Dichloroethane	ND		ug/kg	430	24.	4
Chloroform	ND		ug/kg	430	100	4
Carbon tetrachloride	ND		ug/kg	280	60.	4
1,2-Dichloropropane	ND		ug/kg	990	65.	4
Dibromochloromethane	ND		ug/kg	280	87.	4
1,1,2-Trichloroethane	ND		ug/kg	430	86.	4
Tetrachloroethene	ND		ug/kg	280	40.	4
Chlorobenzene	ND		ug/kg	280	99.	4
Trichlorofluoromethane	ND		ug/kg	1400	110	4
1,2-Dichloroethane	ND		ug/kg	280	32.	4
1,1,1-Trichloroethane	ND		ug/kg	280	31.	4
Bromodichloromethane	ND		ug/kg	280	49.	4
trans-1,3-Dichloropropene	ND		ug/kg	280	34.	4
cis-1,3-Dichloropropene	ND		ug/kg	280	33.	4
1,3-Dichloropropene, Total	ND		ug/kg	280	33.	4
1,1-Dichloropropene	ND		ug/kg	1400	40.	4
Bromoform	ND		ug/kg	1100	67.	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	280	29.	4
Benzene	ND		ug/kg	280	34.	4
Toluene	ND		ug/kg	430	55.	4
Ethylbenzene	ND		ug/kg	280	36.	4
Chloromethane	ND		ug/kg	1400	84.	4
Bromomethane	ND		ug/kg	570	96.	4
Vinyl chloride	ND		ug/kg	570	33.	4
Chloroethane	ND		ug/kg	570	90.	4
1,1-Dichloroethene	ND		ug/kg	280	74.	4
trans-1,2-Dichloroethene	ND		ug/kg	430	60.	4
Trichloroethene	ND		ug/kg	280	36.	4
1,2-Dichlorobenzene	ND		ug/kg	1400	44.	4
1,3-Dichlorobenzene	ND		ug/kg	1400	38.	4

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01

Date Collected: 05/30/14 08:15

Client ID: D1-SW-12FTBG

Date Received: 05/30/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	1400	39.	4
Methyl tert butyl ether	ND		ug/kg	570	24.	4
p/m-Xylene	ND		ug/kg	570	56.	4
o-Xylene	ND		ug/kg	570	49.	4
Xylene (Total)	ND		ug/kg	570	49.	4
cis-1,2-Dichloroethene	ND		ug/kg	280	40.	4
1,2-Dichloroethene (total)	ND		ug/kg	280	40.	4
Dibromomethane	ND		ug/kg	2800	46.	4
Styrene	ND		ug/kg	570	88.	4
Dichlorodifluoromethane	ND		ug/kg	2800	54.	4
Acetone	ND		ug/kg	2800	290	4
Carbon disulfide	ND		ug/kg	2800	310	4
2-Butanone	ND		ug/kg	2800	77.	4
Vinyl acetate	ND		ug/kg	2800	38.	4
4-Methyl-2-pentanone	ND		ug/kg	2800	69.	4
1,2,3-Trichloropropane	ND		ug/kg	2800	46.	4
2-Hexanone	ND		ug/kg	2800	190	4
Bromochloromethane	ND		ug/kg	1400	78.	4
2,2-Dichloropropane	ND		ug/kg	1400	64.	4
1,2-Dibromoethane	ND		ug/kg	1100	50.	4
1,3-Dichloropropane	ND		ug/kg	1400	41.	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	280	90.	4
Bromobenzene	ND		ug/kg	1400	59.	4
n-Butylbenzene	970		ug/kg	280	33.	4
sec-Butylbenzene	590		ug/kg	280	35.	4
tert-Butylbenzene	ND		ug/kg	1400	38.	4
o-Chlorotoluene	ND		ug/kg	1400	45.	4
p-Chlorotoluene	ND		ug/kg	1400	44.	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	1400	110	4
Hexachlorobutadiene	ND		ug/kg	1400	65.	4
Isopropylbenzene	ND		ug/kg	280	30.	4
p-Isopropyltoluene	ND		ug/kg	280	36.	4
Naphthalene	ND		ug/kg	1400	39.	4
Acrylonitrile	ND		ug/kg	2800	150	4
n-Propylbenzene	310		ug/kg	280	31.	4
1,2,3-Trichlorobenzene	ND		ug/kg	1400	42.	4
1,2,4-Trichlorobenzene	ND		ug/kg	1400	52.	4
1,3,5-Trimethylbenzene	ND		ug/kg	1400	41.	4
1,2,4-Trimethylbenzene	ND		ug/kg	1400	40.	4

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01

Date Collected: 05/30/14 08:15

Client ID: D1-SW-12FTBG

Date Received: 05/30/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	28000	4100	4
1,4-Diethylbenzene	870	J	ug/kg	1100	45.	4
4-Ethyltoluene	ND		ug/kg	1100	35.	4
1,2,4,5-Tetramethylbenzene	5100		ug/kg	1100	37.	4
Ethyl ether	ND		ug/kg	1400	74.	4
trans-1,4-Dichloro-2-butene	ND		ug/kg	1400	110	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	95		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-02
Client ID: TRIP BLANK-53014
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/04/14 11:49
Analyst: PD

Date Collected: 05/30/14 00:00
Date Received: 05/30/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-02

Date Collected: 05/30/14 00:00

Client ID: TRIP BLANK-53014

Date Received: 05/30/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-02

Date Collected: 05/30/14 00:00

Client ID: TRIP BLANK-53014

Date Received: 05/30/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/03/14 09:15
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694849-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/03/14 09:15
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694849-3					
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
Xylene (Total)	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene (total)	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/03/14 09:15
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694849-3					
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Ethyl Acetate	ND		ug/kg	1000	46.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	50.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	5.8
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	4.8

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/03/14 09:15

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694849-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/04/14 10:04
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694998-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/04/14 10:04
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694998-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/04/14 10:04
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694998-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/04/14 10:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694998-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694849-1 WG694849-2								
Methylene chloride	102		94		70-130	8		30
1,1-Dichloroethane	104		93		70-130	11		30
Chloroform	97		88		70-130	10		30
Carbon tetrachloride	96		83		70-130	15		30
1,2-Dichloropropane	102		94		70-130	8		30
Dibromochloromethane	100		92		70-130	8		30
1,1,2-Trichloroethane	107		100		70-130	7		30
Tetrachloroethene	102		91		70-130	11		30
Chlorobenzene	100		91		70-130	9		30
Trichlorofluoromethane	97		88		70-139	10		30
1,2-Dichloroethane	96		89		70-130	8		30
1,1,1-Trichloroethane	97		85		70-130	13		30
Bromodichloromethane	95		87		70-130	9		30
trans-1,3-Dichloropropene	108		100		70-130	8		30
cis-1,3-Dichloropropene	97		88		70-130	10		30
1,1-Dichloropropene	101		88		70-130	14		30
Bromoform	102		94		70-130	8		30
1,1,2,2-Tetrachloroethane	110		104		70-130	6		30
Benzene	98		88		70-130	11		30
Toluene	100		90		70-130	11		30
Ethylbenzene	100		91		70-130	9		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694849-1 WG694849-2								
Chloromethane	108		97		52-130	11		30
Bromomethane	100		91		57-147	9		30
Vinyl chloride	102		89		67-130	14		30
Chloroethane	104		94		50-151	10		30
1,1-Dichloroethene	102		91		65-135	11		30
trans-1,2-Dichloroethene	99		89		70-130	11		30
Trichloroethene	96		84		70-130	13		30
1,2-Dichlorobenzene	104		96		70-130	8		30
1,3-Dichlorobenzene	104		96		70-130	8		30
1,4-Dichlorobenzene	105		96		70-130	9		30
Methyl tert butyl ether	94		88		66-130	7		30
p/m-Xylene	100		90		70-130	11		30
o-Xylene	98		89		70-130	10		30
cis-1,2-Dichloroethene	97		87		70-130	11		30
Dibromomethane	96		89		70-130	8		30
Styrene	95		87		70-130	9		30
Dichlorodifluoromethane	98		85		30-146	14		30
Acetone	113		104		54-140	8		30
Carbon disulfide	99		88		59-130	12		30
2-Butanone	105		95		70-130	10		30
Vinyl acetate	104		97		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694849-1 WG694849-2								
4-Methyl-2-pentanone	95		90		70-130	5		30
1,2,3-Trichloropropane	114		108		68-130	5		30
2-Hexanone	103		100		70-130	3		30
Bromochloromethane	93		86		70-130	8		30
2,2-Dichloropropane	103		91		70-130	12		30
1,2-Dibromoethane	103		97		70-130	6		30
1,3-Dichloropropane	105		98		69-130	7		30
1,1,1,2-Tetrachloroethane	98		88		70-130	11		30
Bromobenzene	106		97		70-130	9		30
n-Butylbenzene	113		101		70-130	11		30
sec-Butylbenzene	108		96		70-130	12		30
tert-Butylbenzene	107		96		70-130	11		30
o-Chlorotoluene	112		101		70-130	10		30
p-Chlorotoluene	109		99		70-130	10		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	105		93		67-130	12		30
Isopropylbenzene	106		94		70-130	12		30
p-Isopropyltoluene	107		96		70-130	11		30
Naphthalene	108		103		70-130	5		30
Acrylonitrile	110		100		70-130	10		30
Isopropyl Ether	108		99		66-130	9		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694849-1 WG694849-2								
tert-Butyl Alcohol	102		97		70-130	5		30
n-Propylbenzene	109		98		70-130	11		30
1,2,3-Trichlorobenzene	107		100		70-130	7		30
1,2,4-Trichlorobenzene	111		103		70-130	7		30
1,3,5-Trimethylbenzene	107		97		70-130	10		30
1,2,4-Trimethylbenzene	107		97		70-130	10		30
Methyl Acetate	111		105		51-146	6		30
Ethyl Acetate	111		104		70-130	7		30
Acrolein	137	Q	131	Q	70-130	4		30
Cyclohexane	111		98		59-142	12		30
1,4-Dioxane	98		91		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	107		94		50-139	13		30
1,4-Diethylbenzene	105		95		70-130	10		30
4-Ethyltoluene	108		96		70-130	12		30
1,2,4,5-Tetramethylbenzene	105		96		70-130	9		30
Tetrahydrofuran	106		100		66-130	6		30
Ethyl ether	90		84		67-130	7		30
trans-1,4-Dichloro-2-butene	113		107		70-130	5		30
Methyl cyclohexane	103		90		70-130	13		30
Ethyl-Tert-Butyl-Ether	99		92		70-130	7		30
Tertiary-Amyl Methyl Ether	96		89		70-130	8		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411718**Report Date:** 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694849-1 WG694849-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

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: WG694998-1 WG694998-2								
Methylene chloride	103		96		70-130	7		20
1,1-Dichloroethane	108		99		70-130	9		20
Chloroform	106		100		70-130	6		20
2-Chloroethylvinyl ether	90		83		70-130	8		20
Carbon tetrachloride	106		96		63-132	10		20
1,2-Dichloropropane	108		102		70-130	6		20
Dibromochloromethane	93		92		63-130	1		20
1,1,2-Trichloroethane	105		98		70-130	7		20
Tetrachloroethene	109		100		70-130	9		20
Chlorobenzene	108		104		75-130	4		20
Trichlorofluoromethane	93		85		62-150	9		20
1,2-Dichloroethane	108		99		70-130	9		20
1,1,1-Trichloroethane	104		96		67-130	8		20
Bromodichloromethane	104		99		67-130	5		20
trans-1,3-Dichloropropene	101		97		70-130	4		20
cis-1,3-Dichloropropene	100		92		70-130	8		20
1,1-Dichloropropene	109		100		70-130	9		20
Bromoform	90		84		54-136	7		20
1,1,2,2-Tetrachloroethane	101		96		67-130	5		20
Benzene	109		102		70-130	7		20
Toluene	107		102		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

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: WG694998-1 WG694998-2								
Ethylbenzene	112		106		70-130	6		20
Chloromethane	95		88		64-130	8		20
Bromomethane	54		50		39-139	8		20
Vinyl chloride	113		106		55-140	6		20
Chloroethane	104		94		55-138	10		20
1,1-Dichloroethene	99		90		61-145	10		20
trans-1,2-Dichloroethene	105		98		70-130	7		20
Trichloroethene	104		96		70-130	8		20
1,2-Dichlorobenzene	107		101		70-130	6		20
1,3-Dichlorobenzene	108		101		70-130	7		20
1,4-Dichlorobenzene	107		102		70-130	5		20
Methyl tert butyl ether	99		95		63-130	4		20
p/m-Xylene	116		112		70-130	4		20
o-Xylene	117		112		70-130	4		20
cis-1,2-Dichloroethene	107		100		70-130	7		20
Dibromomethane	106		100		70-130	6		20
1,2,3-Trichloropropane	101		93		64-130	8		20
Acrylonitrile	95		90		70-130	5		20
Diisopropyl Ether	105		99		70-130	6		20
Tert-Butyl Alcohol	84		80		70-130	5		20
Styrene	119		113		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

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: WG694998-1 WG694998-2								
Dichlorodifluoromethane	84		76		36-147	10		20
Acetone	82		74		58-148	10		20
Carbon disulfide	92		84		51-130	9		20
2-Butanone	97		95		63-138	2		20
Vinyl acetate	110		104		70-130	6		20
4-Methyl-2-pentanone	92		86		59-130	7		20
2-Hexanone	85		82		57-130	4		20
Bromochloromethane	95		89		70-130	7		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	102		97		70-130	5		20
1,3-Dichloropropane	103		100		70-130	3		20
1,1,1,2-Tetrachloroethane	107		102		64-130	5		20
Bromobenzene	107		101		70-130	6		20
n-Butylbenzene	113		104		53-136	8		20
sec-Butylbenzene	111		102		70-130	8		20
tert-Butylbenzene	111		102		70-130	8		20
o-Chlorotoluene	113		105		70-130	7		20
p-Chlorotoluene	110		103		70-130	7		20
1,2-Dibromo-3-chloropropane	88		80		41-144	10		20
Hexachlorobutadiene	101		93		63-130	8		20
Isopropylbenzene	109		101		70-130	8		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

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: WG694998-1 WG694998-2								
p-Isopropyltoluene	112		103		70-130	8		20
Naphthalene	92		84		70-130	9		20
n-Propylbenzene	111		103		69-130	7		20
1,2,3-Trichlorobenzene	98		89		70-130	10		20
1,2,4-Trichlorobenzene	94		88		70-130	7		20
1,3,5-Trimethylbenzene	116		107		64-130	8		20
1,2,4-Trimethylbenzene	112		103		70-130	8		20
Methyl Acetate	102		94		70-130	8		20
Ethyl Acetate	102		94		70-130	8		20
Cyclohexane	108		99		70-130	9		20
Ethyl-Tert-Butyl-Ether	100		95		70-130	5		20
Tertiary-Amyl Methyl Ether	100		95		66-130	5		20
1,4-Dioxane	106		99		56-162	7		20
Freon-113	109		99		70-130	10		20
p-Diethylbenzene	114		104		70-130	9		20
p-Ethyltoluene	111		104		70-130	7		20
1,2,4,5-Tetramethylbenzene	107		96		70-130	11		20
Ethyl ether	102		95		59-134	7		20
trans-1,4-Dichloro-2-butene	90		81		70-130	11		20
Methyl cyclohexane	109		99		70-130	10		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411718**Report Date:** 06/11/14

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: WG694998-1 WG694998-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	98		101		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01
Client ID: D1-SW-12FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/14 20:34
Analyst: PS
Percent Solids: 83%

Date Collected: 05/30/14 08:15
Date Received: 05/30/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/14 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	170		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01

Date Collected: 05/30/14 08:15

Client ID: D1-SW-12FTBG

Date Received: 05/30/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	91	J	ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	260		ug/kg	200	56.	1
Phenanthrene	690		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	81	J	ug/kg	120	38.	1
Biphenyl	440		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	210		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	60.	1
Acetophenone	ND		ug/kg	200	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01

Date Collected: 05/30/14 08:15

Client ID: D1-SW-12FTBG

Date Received: 05/30/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	86		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/06/14 09:03
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/02/14 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG694146-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/06/14 09:03
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/02/14 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG694146-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/06/14 09:03
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 06/02/14 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG694146-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
1-Methylnaphthalene	ND		ug/kg	160	49.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG694146-2 WG694146-3								
Acenaphthene	90		94		31-137	4		50
Benzidine	38		37			3		50
n-Nitrosodimethylamine	77		83			8		50
1,2,4-Trichlorobenzene	80		88		38-107	10		50
Hexachlorobenzene	87		90		40-140	3		50
Bis(2-chloroethyl)ether	76		83		40-140	9		50
2-Chloronaphthalene	78		83		40-140	6		50
1,2-Dichlorobenzene	78		85		40-140	9		50
1,3-Dichlorobenzene	78		85		40-140	9		50
1,4-Dichlorobenzene	79		86		28-104	8		50
3,3'-Dichlorobenzidine	92		100		40-140	8		50
2,4-Dinitrotoluene	91	Q	93	Q	28-89	2		50
2,6-Dinitrotoluene	75		80		40-140	6		50
Fluoranthene	95		96		40-140	1		50
4-Chlorophenyl phenyl ether	88		90		40-140	2		50
4-Bromophenyl phenyl ether	87		91		40-140	4		50
Azobenzene	85		88		40-140	3		50
Bis(2-chloroisopropyl)ether	74		81		40-140	9		50
Bis(2-chloroethoxy)methane	71		78		40-117	9		50
Hexachlorobutadiene	84		90		40-140	7		50
Hexachlorocyclopentadiene	53		59		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG694146-2 WG694146-3								
Hexachloroethane	74		82		40-140	10		50
Isophorone	71		77		40-140	8		50
Naphthalene	84		92		40-140	9		50
Nitrobenzene	82		90		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	90		92			2		50
n-Nitrosodi-n-propylamine	70		77		32-121	10		50
Bis(2-Ethylhexyl)phthalate	95		101		40-140	6		50
Butyl benzyl phthalate	92		93		40-140	1		50
Di-n-butylphthalate	98		103		40-140	5		50
Di-n-octylphthalate	109		112		40-140	3		50
Diethyl phthalate	85		89		40-140	5		50
Dimethyl phthalate	90		93		40-140	3		50
Benzo(a)anthracene	97		102		40-140	5		50
Benzo(a)pyrene	100		105		40-140	5		50
Benzo(b)fluoranthene	97		103		40-140	6		50
Benzo(k)fluoranthene	92		99		40-140	7		50
Chrysene	96		100		40-140	4		50
Acenaphthylene	81		85		40-140	5		50
Anthracene	101		104		40-140	3		50
Benzo(ghi)perylene	95		102		40-140	7		50
Fluorene	92		94		40-140	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG694146-2 WG694146-3								
Phenanthrene	98		103		40-140	5		50
Dibenzo(a,h)anthracene	100		106		40-140	6		50
Indeno(1,2,3-cd)Pyrene	96		104		40-140	8		50
Pyrene	95		96		35-142	1		50
Biphenyl	88		93			6		50
Aniline	53		59		40-140	11		50
4-Chloroaniline	64		68		40-140	6		50
2-Nitroaniline	84		84		47-134	0		50
3-Nitroaniline	77		77		26-129	0		50
4-Nitroaniline	79		82		41-125	4		50
Dibenzofuran	90		92		40-140	2		50
2-Methylnaphthalene	80		87		40-140	8		50
1,2,4,5-Tetrachlorobenzene	88		93		40-117	6		50
Acetophenone	73		80		14-144	9		50
2,4,6-Trichlorophenol	80		85		30-130	6		50
P-Chloro-M-Cresol	82		88		26-103	7		50
2-Chlorophenol	80		88		25-102	10		50
2,4-Dichlorophenol	86		91		30-130	6		50
2,4-Dimethylphenol	77		82		30-130	6		50
2-Nitrophenol	76		84		30-130	10		50
4-Nitrophenol	86		89		11-114	3		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG694146-2 WG694146-3								
2,4-Dinitrophenol	34		43		4-130	23		50
4,6-Dinitro-o-cresol	50		58		10-130	15		50
Pentachlorophenol	91		94		17-109	3		50
Phenol	75		83		26-90	10		50
2-Methylphenol	76		84		30-130.	10		50
3-Methylphenol/4-Methylphenol	77		83		30-130	8		50
2,4,5-Trichlorophenol	81		87		30-130	7		50
Benzoic Acid	32		38			17		50
Benzyl Alcohol	75		82		40-140	9		50
Carbazole	94		97		54-128	3		50
Benzaldehyde	80		87			8		50
Caprolactam	77		80			4		50
Atrazine	84		90			7		50
2,3,4,6-Tetrachlorophenol	88		87			1		50
Pyridine	69		75		10-93	8		50
1-Methylnaphthalene	74		81		26-130	9		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411718**Report Date:** 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG694146-2 WG694146-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		90		25-120
Phenol-d6	76		86		10-120
Nitrobenzene-d5	70		79		23-120
2-Fluorobiphenyl	76		84		30-120
2,4,6-Tribromophenol	97		102		0-136
4-Terphenyl-d14	88		92		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01
Client ID: D1-SW-12FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/05/14 16:45
Analyst: JW
Percent Solids: 83%

Date Collected: 05/30/14 08:15
Date Received: 05/30/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/01/14 00:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/02/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/02/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.1	3.17	1	A
Aroclor 1221	ND		ug/kg	40.1	3.70	1	A
Aroclor 1232	ND		ug/kg	40.1	4.70	1	A
Aroclor 1242	ND		ug/kg	40.1	4.91	1	A
Aroclor 1248	ND		ug/kg	40.1	3.39	1	A
Aroclor 1254	ND		ug/kg	40.1	3.30	1	A
Aroclor 1260	ND		ug/kg	40.1	3.06	1	A
Aroclor 1262	ND		ug/kg	40.1	1.99	1	A
Aroclor 1268	ND		ug/kg	40.1	5.82	1	A
PCBs, Total	ND		ug/kg	40.1	1.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/02/14 16:11
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/01/14 00:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/02/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/02/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG694043-1						
Aroclor 1016	ND		ug/kg	32.9	2.60	A
Aroclor 1221	ND		ug/kg	32.9	3.03	A
Aroclor 1232	ND		ug/kg	32.9	3.86	A
Aroclor 1242	ND		ug/kg	32.9	4.03	A
Aroclor 1248	ND		ug/kg	32.9	2.78	A
Aroclor 1254	ND		ug/kg	32.9	2.70	A
Aroclor 1260	ND		ug/kg	32.9	2.51	A
Aroclor 1262	ND		ug/kg	32.9	1.63	A
Aroclor 1268	ND		ug/kg	32.9	4.77	A
PCBs, Total	ND		ug/kg	32.9	1.63	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	86		30-150	B
Decachlorobiphenyl	91		30-150	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411718**Report Date:** 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG694043-2 WG694043-3									
Aroclor 1016	92		79		40-140	15		50	A
Aroclor 1260	90		80		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		69		30-150	A
Decachlorobiphenyl	92		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		70		30-150	B
Decachlorobiphenyl	81		72		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411718**Project Number:** E040**Report Date:** 06/11/14**SAMPLE RESULTS**

Lab ID: L1411718-01
Client ID: D1-SW-12FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/06/14 10:53
Analyst: SH
Percent Solids: 83%

Date Collected: 05/30/14 08:15
Date Received: 05/30/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/03/14 02:17
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.779	0.348	1	A
Alpha-BHC	ND		ug/kg	0.779	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.709	1	A
Heptachlor	ND		ug/kg	0.935	0.419	1	A
Aldrin	ND		ug/kg	1.87	0.658	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.779	0.319	1	A
Dieldrin	ND		ug/kg	1.17	0.584	1	A
4,4'-DDE	ND		ug/kg	1.87	0.432	1	A
4,4'-DDD	ND		ug/kg	1.87	0.667	1	A
4,4'-DDT	3.10	J	ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.779	0.371	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
cis-Chlordane	ND		ug/kg	2.34	0.651	1	A
trans-Chlordane	ND		ug/kg	2.34	0.617	1	A
Chlordane	ND		ug/kg	15.2	6.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/03/14 22:11
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 06/03/14 02:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 06/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG694457-1						
Delta-BHC	ND		ug/kg	1.52	0.299	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	ND		ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.537	A
Heptachlor epoxide	ND		ug/kg	2.86	0.858	A
Endrin	ND		ug/kg	0.635	0.260	A
Dieldrin	ND		ug/kg	0.953	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.353	A
4,4'-DDD	ND		ug/kg	1.52	0.544	A
4,4'-DDT	ND		ug/kg	2.86	1.23	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.510	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	97		30-150	B
Decachlorobiphenyl	39		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG694457-2 WG694457-3									
Delta-BHC	67		68		30-150	1		30	A
Lindane	68		68		30-150	0		30	A
Alpha-BHC	70		69		30-150	1		30	A
Beta-BHC	68		64		30-150	6		30	A
Heptachlor	71		71		30-150	0		30	A
Aldrin	72		71		30-150	1		30	A
Heptachlor epoxide	72		72		30-150	0		30	A
Endrin	90		92		30-150	2		30	A
Endrin ketone	81		80		30-150	1		30	A
Dieldrin	79		78		30-150	1		30	A
4,4'-DDE	75		76		30-150	1		30	A
4,4'-DDD	73		70		30-150	4		30	A
4,4'-DDT	83		85		30-150	2		30	A
Endosulfan I	73		72		30-150	1		30	A
Endosulfan II	77		77		30-150	0		30	A
Endosulfan sulfate	87		89		30-150	2		30	A
Methoxychlor	70		71		30-150	1		30	A
cis-Chlordane	72		72		30-150	0		30	A
trans-Chlordane	72		71		30-150	1		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG694457-2 WG694457-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		69		30-150	A
Decachlorobiphenyl	57		27	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		59		30-150	B
Decachlorobiphenyl	88		79		30-150	B

METALS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411718
Report Date: 06/11/14

SAMPLE RESULTS

Lab ID: L1411718-01
Client ID: D1-SW-12FTBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Percent Solids: 83%

Date Collected: 05/30/14 08:15
Date Received: 05/30/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8100		mg/kg	9.2	1.8	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.74	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Arsenic, Total	3.8		mg/kg	0.92	0.18	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Barium, Total	62		mg/kg	0.92	0.28	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38	J	mg/kg	0.46	0.09	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.92	0.06	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Calcium, Total	4400		mg/kg	9.2	2.8	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.92	0.18	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Cobalt, Total	5.6		mg/kg	1.8	0.46	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.92	0.18	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.6	1.8	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Lead, Total	58		mg/kg	4.6	0.18	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Magnesium, Total	2500		mg/kg	9.2	0.92	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Manganese, Total	310		mg/kg	0.92	0.18	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	06/04/14 08:25	06/04/14 13:24	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.3	0.37	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	230	37.	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.28	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Sodium, Total	170	J	mg/kg	180	28.	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.92	0.09	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG
Zinc, Total	89		mg/kg	4.6	0.64	2	06/05/14 11:15	06/05/14 15:24	EPA 3050B	1,6010C	MG



Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG694691-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/04/14 08:25	06/04/14 12:55	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG695318-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Antimony, Total	0.36	J	mg/kg	2.0	0.32	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Lead, Total	0.10	J	mg/kg	2.0	0.08	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/05/14 11:15	06/05/14 14:06	1,6010C	MG

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG694691-2 SRM Lot Number: 0518-10-02								
Mercury, Total	130		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG695318-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	109	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	101	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	95	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	102	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	98	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1411718**Report Date:** 06/11/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG695318-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1411718

Project Number: E040

Report Date: 06/11/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694691-4 QC Sample: L1411631-01 Client ID: MS Sample												
Mercury, Total	ND	0.131	0.22	168	Q	-	-		80-120	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG695318-4 QC Sample: L1411734-01 Client ID: MS Sample									
Aluminum, Total	8000	176	7300	0	Q	-	75-125	-	20
Antimony, Total	1.7J	44	38	86		-	75-125	-	20
Arsenic, Total	9.2	10.6	17	74	Q	-	75-125	-	20
Barium, Total	85.	176	680	338	Q	-	75-125	-	20
Beryllium, Total	0.43J	4.4	4.5	102		-	75-125	-	20
Cadmium, Total	ND	4.49	3.8	84		-	75-125	-	20
Calcium, Total	11000	881	15000	454	Q	-	75-125	-	20
Chromium, Total	24.	17.6	32	45	Q	-	75-125	-	20
Cobalt, Total	11.	44	44	75		-	75-125	-	20
Copper, Total	62.	22	55	0	Q	-	75-125	-	20
Iron, Total	37000	88.1	27000	0	Q	-	75-125	-	20
Lead, Total	46.	44.9	83	82		-	75-125	-	20
Magnesium, Total	3700	881	3600	0	Q	-	75-125	-	20
Manganese, Total	440	44	460	45	Q	-	75-125	-	20
Nickel, Total	22.	44	50	64	Q	-	75-125	-	20
Potassium, Total	3500	881	2800	0	Q	-	75-125	-	20
Selenium, Total	0.42J	10.6	9.7	92		-	75-125	-	20
Silver, Total	ND	26.4	25	95		-	75-125	-	20
Sodium, Total	310	881	1200	101		-	75-125	-	20
Thallium, Total	ND	10.6	7.9	75		-	75-125	-	20
Vanadium, Total	27.	44	61	77		-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG695318-4 QC Sample: L1411734-01 Client ID: MS Sample									
Zinc, Total	220	44	140	0	Q	-	75-125	-	20

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1411718**Report Date:** 06/11/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694691-3 QC Sample: L1411631-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1411718
Report Date: 06/11/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG695318-3 QC Sample: L1411734-01 Client ID: DUP Sample					
Aluminum, Total	8000	6600	mg/kg	19	20
Antimony, Total	1.7J	ND	mg/kg	NC	20
Arsenic, Total	9.2	6.7	mg/kg	31	Q 20
Barium, Total	85.	75	mg/kg	13	20
Beryllium, Total	0.43J	0.55	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	11000	15000	mg/kg	31	Q 20
Chromium, Total	24.	19	mg/kg	23	Q 20
Cobalt, Total	11.	7.0	mg/kg	44	Q 20
Copper, Total	62.	25	mg/kg	85	Q 20
Iron, Total	37000	21000	mg/kg	55	Q 20
Lead, Total	46.	26	mg/kg	56	Q 20
Magnesium, Total	3700	2200	mg/kg	51	Q 20
Manganese, Total	440	440	mg/kg	0	20
Nickel, Total	22.	12	mg/kg	59	Q 20
Potassium, Total	3500	1300	mg/kg	92	Q 20
Selenium, Total	0.42J	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	310	230	mg/kg	30	Q 20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG695318-3 QC Sample: L1411734-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	27.	21	mg/kg	25	Q 20
Zinc, Total	220	55	mg/kg	120	Q 20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

SAMPLE RESULTS

Lab ID: L1411718-01

Client ID: D1-SW-12FTBG

Sample Location: 520 W. 28TH ST., NYC

Matrix: Soil

Date Collected: 05/30/14 08:15

Date Received: 05/30/14

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	82.6		%	0.100	NA	1	-	06/02/14 21:21	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1411718
Report Date: 06/11/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694420-1 QC Sample: L1411694-01 Client ID: DUP Sample						
Solids, Total	95.6	95.7	%	0		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411718

Report Date: 06/11/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/31/2014 03:08

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1411718-01A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1411718-01B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1411718-01C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1411718-01D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1411718-01E	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411718-01F	Amber 250ml unpreserved	A	N/A	2.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411718-01X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1411718-01Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1411718-01Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1411718-02A	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1411718-02B	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411718
Report Date: 06/11/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411718
Report Date: 06/11/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411718
Report Date: 06/11/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1411366
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH ST.
Project Number:	E040
Report Date:	06/03/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1411366
Report Date: 06/03/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1411366-01	C1-SW-12FBG	520 WEST 28TH ST., NEW YORK, N	05/27/14 13:17
L1411366-02	TRIP BLANK 5-27-14	520 WEST 28TH ST., NEW YORK, N	05/27/14 00:00

Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1411366
Report Date: 06/03/14

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: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1411366
Report Date: 06/03/14

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.

Metals

L1411366-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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: 06/03/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01
Client ID: C1-SW-12FBG
Sample Location: 520 WEST 28TH ST., NEW YORK, N
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/31/14 19:41
Analyst: MV
Percent Solids: 84%

Date Collected: 05/27/14 13:17
Date Received: 05/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.99	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.99	0.14	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	0.11	1
Bromodichloromethane	ND		ug/kg	0.99	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.99	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.45	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.99	0.17	1
Benzene	ND		ug/kg	0.99	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.9	0.77	1
Bromomethane	ND		ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.99	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01

Date Collected: 05/27/14 13:17

Client ID: C1-SW-12FBG

Date Received: 05/27/14

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
Xylene (Total)	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.15	1
1,2-Dichloroethene (total)	ND		ug/kg	0.99	0.15	1
Dibromomethane	ND		ug/kg	9.9	0.16	1
Styrene	ND		ug/kg	2.0	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.22	1
Acetone	ND		ug/kg	9.9	3.1	1
Carbon disulfide	ND		ug/kg	9.9	2.0	1
2-Butanone	ND		ug/kg	9.9	0.35	1
Vinyl acetate	ND		ug/kg	9.9	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.9	0.22	1
2-Hexanone	ND		ug/kg	9.9	0.19	1
Bromochloromethane	ND		ug/kg	4.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.99	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.21	1
n-Butylbenzene	ND		ug/kg	0.99	0.20	1
sec-Butylbenzene	ND		ug/kg	0.99	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.78	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.42	1
Isopropylbenzene	ND		ug/kg	0.99	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.19	1
Naphthalene	ND		ug/kg	4.9	0.76	1
Acrylonitrile	ND		ug/kg	9.9	0.24	1
n-Propylbenzene	ND		ug/kg	0.99	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.78	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.57	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01

Date Collected: 05/27/14 13:17

Client ID: C1-SW-12FBG

Date Received: 05/27/14

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	99	17.	1
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16	1
4-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	0.69	J	ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-02
Client ID: TRIP BLANK 5-27-14
Sample Location: 520 WEST 28TH ST., NEW YORK, N
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/01/14 21:42
Analyst: PD

Date Collected: 05/27/14 00:00
Date Received: 05/27/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-02

Date Collected: 05/27/14 00:00

Client ID: TRIP BLANK 5-27-14

Date Received: 05/27/14

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-02

Date Collected: 05/27/14 00:00

Client ID: TRIP BLANK 5-27-14

Date Received: 05/27/14

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	99		70-130
Dibromofluoromethane	99		70-130

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/14 12:01
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694075-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
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

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/14 12:01
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694075-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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
Xylene (Total)	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichloroethene (total)	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

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/14 12:01
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694075-3					
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
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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/31/14 12:01

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694075-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/14 14:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694170-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/14 14:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694170-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/14 14:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694170-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/01/14 14:09

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG694170-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694075-1 WG694075-2								
Methylene chloride	101		108		70-130	7		30
1,1-Dichloroethane	109		119		70-130	9		30
Chloroform	106		114		70-130	7		30
Carbon tetrachloride	98		110		70-130	12		30
1,2-Dichloropropane	112		121		70-130	8		30
Dibromochloromethane	80		87		70-130	8		30
2-Chloroethylvinyl ether	79		83		70-130	5		30
1,1,2-Trichloroethane	95		102		70-130	7		30
Tetrachloroethene	89		96		70-130	8		30
Chlorobenzene	92		97		70-130	5		30
Trichlorofluoromethane	109		110		70-139	1		30
1,2-Dichloroethane	112		118		70-130	5		30
1,1,1-Trichloroethane	104		114		70-130	9		30
Bromodichloromethane	102		108		70-130	6		30
trans-1,3-Dichloropropene	87		95		70-130	9		30
cis-1,3-Dichloropropene	101		106		70-130	5		30
1,1-Dichloropropene	108		117		70-130	8		30
Bromoform	70		76		70-130	8		30
1,1,2,2-Tetrachloroethane	88		93		70-130	6		30
Benzene	108		114		70-130	5		30
Toluene	90		99		70-130	10		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694075-1 WG694075-2								
Ethylbenzene	97		104		70-130	7		30
Chloromethane	92		93		52-130	1		30
Bromomethane	113		111		57-147	2		30
Vinyl chloride	119		125		67-130	5		30
Chloroethane	101		102		50-151	1		30
1,1-Dichloroethene	98		107		65-135	9		30
trans-1,2-Dichloroethene	101		108		70-130	7		30
Trichloroethene	110		116		70-130	5		30
1,2-Dichlorobenzene	84		90		70-130	7		30
1,3-Dichlorobenzene	86		91		70-130	6		30
1,4-Dichlorobenzene	86		92		70-130	7		30
Methyl tert butyl ether	101		107		66-130	6		30
p/m-Xylene	94		101		70-130	7		30
o-Xylene	94		101		70-130	7		30
cis-1,2-Dichloroethene	104		112		70-130	7		30
Dibromomethane	102		107		70-130	5		30
Styrene	96		102		70-130	6		30
Dichlorodifluoromethane	71		75		30-146	5		30
Acetone	109		107		54-140	2		30
Carbon disulfide	95		102		59-130	7		30
2-Butanone	104		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694075-1 WG694075-2								
Vinyl acetate	101		105		70-130	4		30
4-Methyl-2-pentanone	113		114		70-130	1		30
1,2,3-Trichloropropane	92		96		68-130	4		30
2-Hexanone	85		90		70-130	6		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	101		110		70-130	9		30
1,2-Dibromoethane	86		91		70-130	6		30
1,3-Dichloropropane	94		101		69-130	7		30
1,1,1,2-Tetrachloroethane	82		90		70-130	9		30
Bromobenzene	83		88		70-130	6		30
n-Butylbenzene	94		100		70-130	6		30
sec-Butylbenzene	90		97		70-130	7		30
tert-Butylbenzene	87		95		70-130	9		30
o-Chlorotoluene	96		102		70-130	6		30
p-Chlorotoluene	92		100		70-130	8		30
1,2-Dibromo-3-chloropropane	69		74		68-130	7		30
Hexachlorobutadiene	85		92		67-130	8		30
Isopropylbenzene	87		95		70-130	9		30
p-Isopropyltoluene	88		96		70-130	9		30
Naphthalene	82		87		70-130	6		30
Acrylonitrile	120		121		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694075-1 WG694075-2								
Isopropyl Ether	112		120		66-130	7		30
tert-Butyl Alcohol	94		96		70-130	2		30
n-Propylbenzene	92		99		70-130	7		30
1,2,3-Trichlorobenzene	85		88		70-130	3		30
1,2,4-Trichlorobenzene	85		90		70-130	6		30
1,3,5-Trimethylbenzene	90		97		70-130	7		30
1,2,4-Trimethylbenzene	89		96		70-130	8		30
Methyl Acetate	100		109		51-146	9		30
Ethyl Acetate	108		110		70-130	2		30
Acrolein	44	Q	66	Q	70-130	40	Q	30
Cyclohexane	119		130		59-142	9		30
1,4-Dioxane	108		103		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		106		50-139	8		30
1,4-Diethylbenzene	89		96		70-130	8		30
4-Ethyltoluene	88		95		70-130	8		30
1,2,4,5-Tetramethylbenzene	87		94		70-130	8		30
Tetrahydrofuran	114		117		66-130	3		30
Ethyl ether	96		108		67-130	12		30
trans-1,4-Dichloro-2-butene	86		87		70-130	1		30
Methyl cyclohexane	109		117		70-130	7		30
Ethyl-Tert-Butyl-Ether	108		116		70-130	7		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1411366**Report Date:** 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694075-1 WG694075-2								
Tertiary-Amyl Methyl Ether	99		106		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		104		70-130
Toluene-d8	92		95		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

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: WG694170-1 WG694170-2								
Methylene chloride	101		102		70-130	1		20
1,1-Dichloroethane	111		106		70-130	5		20
Chloroform	102		106		70-130	4		20
2-Chloroethylvinyl ether	96		84		70-130	13		20
Carbon tetrachloride	110		101		63-132	9		20
1,2-Dichloropropane	110		108		70-130	2		20
Dibromochloromethane	100		96		63-130	4		20
1,1,2-Trichloroethane	108		96		70-130	12		20
Tetrachloroethene	110		101		70-130	9		20
Chlorobenzene	108		104		75-130	4		20
Trichlorofluoromethane	98		94		62-150	4		20
1,2-Dichloroethane	116		111		70-130	4		20
1,1,1-Trichloroethane	103		104		67-130	1		20
Bromodichloromethane	109		106		67-130	3		20
trans-1,3-Dichloropropene	107		94		70-130	13		20
cis-1,3-Dichloropropene	103		92		70-130	11		20
1,1-Dichloropropene	111		107		70-130	4		20
Bromoform	93		94		54-136	1		20
1,1,2,2-Tetrachloroethane	102		109		67-130	7		20
Benzene	114		106		70-130	7		20
Toluene	108		95		70-130	13		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

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: WG694170-1 WG694170-2								
Ethylbenzene	110		105		70-130	5		20
Chloromethane	89		90		64-130	1		20
Bromomethane	40		38	Q	39-139	5		20
Vinyl chloride	111		113		55-140	2		20
Chloroethane	103		104		55-138	1		20
1,1-Dichloroethene	102		96		61-145	6		20
trans-1,2-Dichloroethene	110		105		70-130	5		20
Trichloroethene	110		105		70-130	5		20
1,2-Dichlorobenzene	103		110		70-130	7		20
1,3-Dichlorobenzene	106		109		70-130	3		20
1,4-Dichlorobenzene	108		108		70-130	0		20
Methyl tert butyl ether	105		104		63-130	1		20
p/m-Xylene	113		112		70-130	1		20
o-Xylene	113		106		70-130	6		20
cis-1,2-Dichloroethene	102		105		70-130	3		20
Dibromomethane	116		117		70-130	1		20
1,2,3-Trichloropropane	102		113		64-130	10		20
Acrylonitrile	102		106		70-130	4		20
Diisopropyl Ether	110		108		70-130	2		20
Tert-Butyl Alcohol	98		101		70-130	3		20
Styrene	115		114		70-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

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: WG694170-1 WG694170-2								
Dichlorodifluoromethane	92		90		36-147	2		20
Acetone	83		90		58-148	8		20
Carbon disulfide	95		97		51-130	2		20
2-Butanone	112		116		63-138	4		20
Vinyl acetate	123		120		70-130	2		20
4-Methyl-2-pentanone	106		93		59-130	13		20
2-Hexanone	99		80		57-130	21	Q	20
Bromochloromethane	94		95		70-130	1		20
2,2-Dichloropropane	105		104		63-133	1		20
1,2-Dibromoethane	108		106		70-130	2		20
1,3-Dichloropropane	110		99		70-130	11		20
1,1,1,2-Tetrachloroethane	109		103		64-130	6		20
Bromobenzene	104		109		70-130	5		20
n-Butylbenzene	107		107		53-136	0		20
sec-Butylbenzene	106		108		70-130	2		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	108		110		70-130	2		20
p-Chlorotoluene	105		108		70-130	3		20
1,2-Dibromo-3-chloropropane	94		99		41-144	5		20
Hexachlorobutadiene	100		101		63-130	1		20
Isopropylbenzene	106		106		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

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: WG694170-1 WG694170-2								
p-Isopropyltoluene	107		112		70-130	5		20
Naphthalene	107		111		70-130	4		20
n-Propylbenzene	106		113		69-130	6		20
1,2,3-Trichlorobenzene	109		115		70-130	5		20
1,2,4-Trichlorobenzene	104		106		70-130	2		20
1,3,5-Trimethylbenzene	110		112		64-130	2		20
1,2,4-Trimethylbenzene	107		109		70-130	2		20
Methyl Acetate	102		113		70-130	10		20
Ethyl Acetate	112		117		70-130	4		20
Cyclohexane	110		108		70-130	2		20
Ethyl-Tert-Butyl-Ether	105		102		70-130	3		20
Tertiary-Amyl Methyl Ether	110		104		66-130	6		20
1,4-Dioxane	121		131		56-162	8		20
Freon-113	113		110		70-130	3		20
p-Diethylbenzene	106		110		70-130	4		20
p-Ethyltoluene	107		106		70-130	1		20
1,2,4,5-Tetramethylbenzene	104		105		70-130	1		20
Ethyl ether	106		106		59-134	0		20
trans-1,4-Dichloro-2-butene	81		90		70-130	11		20
Methyl cyclohexane	113		107		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

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: WG694170-1 WG694170-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	102		92		70-130
4-Bromofluorobenzene	94		98		70-130
Dibromofluoromethane	99		101		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01
Client ID: C1-SW-12FBG
Sample Location: 520 WEST 28TH ST., NEW YORK, N
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/03/14 04:27
Analyst: JB
Percent Solids: 84%

Date Collected: 05/27/14 13:17
Date Received: 05/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/30/14 02:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	520		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	4900		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	300		ug/kg	190	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	2200		ug/kg	120	38.	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01

Date Collected: 05/27/14 13:17

Client ID: C1-SW-12FBG

Date Received: 05/27/14

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2100		ug/kg	160	48.	1
Benzo(b)fluoranthene	2600		ug/kg	120	39.	1
Benzo(k)fluoranthene	1100		ug/kg	120	37.	1
Chrysene	2300		ug/kg	120	38.	1
Acenaphthylene	250		ug/kg	160	36.	1
Anthracene	1200		ug/kg	120	32.	1
Benzo(ghi)perylene	940		ug/kg	160	40.	1
Fluorene	570		ug/kg	190	56.	1
Phenanthrene	4600		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	250		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	240		ug/kg	160	43.	1
Pyrene	4100		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	390		ug/kg	190	65.	1
2-Methylnaphthalene	150	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	610		ug/kg	190	42.	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01

Date Collected: 05/27/14 13:17

Client ID: C1-SW-12FBG

Date Received: 05/27/14

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	108		0-136
4-Terphenyl-d14	53		18-120

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/02/14 20:40
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 05/30/14 02:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG693565-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/02/14 20:40
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 05/30/14 02:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG693565-1					
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/02/14 20:40
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 05/30/14 02:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG693565-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	105		0-136
4-Terphenyl-d14	101		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG693565-2 WG693565-3								
Acenaphthene	92		99		31-137	7		50
Benzidine	27		19			35		50
n-Nitrosodimethylamine	65		70			7		50
1,2,4-Trichlorobenzene	76		77		38-107	1		50
Hexachlorobenzene	104		114		40-140	9		50
Bis(2-chloroethyl)ether	70		74		40-140	6		50
2-Chloronaphthalene	82		87		40-140	6		50
1,2-Dichlorobenzene	73		75		40-140	3		50
1,3-Dichlorobenzene	68		74		40-140	8		50
1,4-Dichlorobenzene	70		74		28-104	6		50
3,3'-Dichlorobenzidine	68		66		40-140	3		50
2,4-Dinitrotoluene	111	Q	121	Q	28-89	9		50
2,6-Dinitrotoluene	97		101		40-140	4		50
Fluoranthene	99		110		40-140	11		50
4-Chlorophenyl phenyl ether	95		109		40-140	14		50
4-Bromophenyl phenyl ether	100		112		40-140	11		50
Azobenzene	92		100		40-140	8		50
Bis(2-chloroisopropyl)ether	65		68		40-140	5		50
Bis(2-chloroethoxy)methane	66		74		40-117	11		50
Hexachlorobutadiene	76		80		40-140	5		50
Hexachlorocyclopentadiene	83		90		40-140	8		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG693565-2 WG693565-3								
Hexachloroethane	70		76		40-140	8		50
Isophorone	70		76		40-140	8		50
Naphthalene	77		81		40-140	5		50
Nitrobenzene	78		84		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	101		108			7		50
n-Nitrosodi-n-propylamine	68		71		32-121	4		50
Bis(2-ethylhexyl)phthalate	107		117		40-140	9		50
Butyl benzyl phthalate	103		116		40-140	12		50
Di-n-butylphthalate	102		112		40-140	9		50
Di-n-octylphthalate	112		125		40-140	11		50
Diethyl phthalate	99		107		40-140	8		50
Dimethyl phthalate	98		102		40-140	4		50
Benzo(a)anthracene	101		111		40-140	9		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	104		108		40-140	4		50
Benzo(k)fluoranthene	106		113		40-140	6		50
Chrysene	101		111		40-140	9		50
Acenaphthylene	87		92		40-140	6		50
Anthracene	103		110		40-140	7		50
Benzo(ghi)perylene	111		116		40-140	4		50
Fluorene	98		108		40-140	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG693565-2 WG693565-3								
Phenanthrene	101		111		40-140	9		50
Dibenzo(a,h)anthracene	109		112		40-140	3		50
Indeno(1,2,3-cd)pyrene	112		112		40-140	0		50
Pyrene	99		110		35-142	11		50
Biphenyl	87		96			10		50
Aniline	38	Q	37	Q	40-140	3		50
4-Chloroaniline	54		54		40-140	0		50
2-Nitroaniline	92		100		47-134	8		50
3-Nitroaniline	81		76		26-129	6		50
4-Nitroaniline	106		116		41-125	9		50
Dibenzofuran	95		103		40-140	8		50
2-Methylnaphthalene	78		82		40-140	5		50
1,2,4,5-Tetrachlorobenzene	86		95		40-117	10		50
Acetophenone	73		79		14-144	8		50
2,4,6-Trichlorophenol	92		105		30-130	13		50
P-Chloro-M-Cresol	96		101		26-103	5		50
2-Chlorophenol	75		81		25-102	8		50
2,4-Dichlorophenol	89		96		30-130	8		50
2,4-Dimethylphenol	79		89		30-130	12		50
2-Nitrophenol	84		90		30-130	7		50
4-Nitrophenol	120	Q	131	Q	11-114	9		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG693565-2 WG693565-3								
2,4-Dinitrophenol	87		109		4-130	22		50
4,6-Dinitro-o-cresol	112		128		10-130	13		50
Pentachlorophenol	108		126	Q	17-109	15		50
Phenol	71		76		26-90	7		50
2-Methylphenol	76		84		30-130.	10		50
3-Methylphenol/4-Methylphenol	77		84		30-130	9		50
2,4,5-Trichlorophenol	97		109		30-130	12		50
Benzoic Acid	32		59			59	Q	50
Benzyl Alcohol	73		79		40-140	8		50
Carbazole	100		106		54-128	6		50
Benzaldehyde	81		81			0		50
Caprolactam	99		108			9		50
Atrazine	106		115			8		50
2,3,4,6-Tetrachlorophenol	113		121			7		50
Pyridine	56		58		10-93	4		50
Parathion, ethyl	115		134		40-140	15		50
1-Methylnaphthalene	76		82		26-130	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG693565-2 WG693565-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		75		25-120
Phenol-d6	69		76		10-120
Nitrobenzene-d5	72		75		23-120
2-Fluorobiphenyl	76		81		30-120
2,4,6-Tribromophenol	117		130		0-136
4-Terphenyl-d14	95		104		18-120

PCBS

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01
Client ID: C1-SW-12FBG
Sample Location: 520 WEST 28TH ST., NEW YORK, N
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/30/14 12:36
Analyst: JW
Percent Solids: 84%

Date Collected: 05/27/14 13:17
Date Received: 05/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/29/14 17:05
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/30/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	3.10	1	A
Aroclor 1221	ND		ug/kg	39.2	3.62	1	A
Aroclor 1232	ND		ug/kg	39.2	4.60	1	A
Aroclor 1242	ND		ug/kg	39.2	4.80	1	A
Aroclor 1248	ND		ug/kg	39.2	3.31	1	A
Aroclor 1254	ND		ug/kg	39.2	3.22	1	A
Aroclor 1260	45.2		ug/kg	39.2	2.99	1	B
Aroclor 1262	ND		ug/kg	39.2	1.94	1	A
Aroclor 1268	ND		ug/kg	39.2	5.69	1	A
PCBs, Total	45.2		ug/kg	39.2	1.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/30/14 13:17
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 05/29/14 17:05
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/30/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG693481-1						
Aroclor 1016	ND		ug/kg	33.3	2.63	A
Aroclor 1221	ND		ug/kg	33.3	3.07	A
Aroclor 1232	ND		ug/kg	33.3	3.90	A
Aroclor 1242	ND		ug/kg	33.3	4.07	A
Aroclor 1248	ND		ug/kg	33.3	2.81	A
Aroclor 1254	ND		ug/kg	33.3	2.73	A
Aroclor 1260	ND		ug/kg	33.3	2.53	A
Aroclor 1262	ND		ug/kg	33.3	1.65	A
Aroclor 1268	ND		ug/kg	33.3	4.82	A
PCBs, Total	ND		ug/kg	33.3	1.65	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	93		30-150	B
Decachlorobiphenyl	91		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG693481-2 WG693481-3									
Aroclor 1016	106		101		40-140	5		50	A
Aroclor 1260	100		93		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		95		30-150	A
Decachlorobiphenyl	108		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		96		30-150	B
Decachlorobiphenyl	105		97		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1411366-01
Client ID: C1-SW-12FBG
Sample Location: 520 WEST 28TH ST., NEW YORK, N
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/03/14 15:24
Analyst: GP
Percent Solids: 84%

Date Collected: 05/27/14 13:17
Date Received: 05/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/29/14 20:00
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.775	0.346	1	A
Alpha-BHC	ND		ug/kg	0.775	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.706	1	A
Heptachlor	ND		ug/kg	0.930	0.417	1	A
Aldrin	ND		ug/kg	1.86	0.655	1	A
Heptachlor epoxide	3.17	J	ug/kg	3.49	1.05	1	B
Endrin	ND		ug/kg	0.775	0.318	1	A
Dieldrin	ND		ug/kg	1.16	0.581	1	A
4,4'-DDE	5.66		ug/kg	1.86	0.430	1	A
4,4'-DDD	ND		ug/kg	1.86	0.664	1	A
4,4'-DDT	37.1		ug/kg	3.49	1.50	1	B
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.775	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.08	1	A
cis-Chlordane	10.5		ug/kg	2.32	0.648	1	A
trans-Chlordane	ND		ug/kg	2.32	0.614	1	A
Chlordane	71.7		ug/kg	15.1	6.16	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	224	Q	30-150	B

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/31/14 13:14
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 05/29/14 20:00
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG693512-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.188	A
Beta-BHC	ND		ug/kg	1.58	0.601	A
Heptachlor	ND		ug/kg	0.793	0.355	A
Aldrin	ND		ug/kg	1.58	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.892	A
Endrin	ND		ug/kg	0.660	0.271	A
Dieldrin	ND		ug/kg	0.991	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.530	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.925	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	12.9	5.25	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	76		30-150	A
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG693512-2 WG693512-3									
Delta-BHC	96		96		30-150	0		30	A
Lindane	98		97		30-150	1		30	A
Alpha-BHC	102		101		30-150	1		30	A
Beta-BHC	85		82		30-150	4		30	A
Heptachlor	107		107		30-150	0		30	A
Aldrin	103		103		30-150	0		30	A
Heptachlor epoxide	95		94		30-150	1		30	A
Endrin	101		100		30-150	1		30	A
Endrin ketone	91		91		30-150	0		30	A
Dieldrin	98		98		30-150	0		30	A
4,4'-DDE	96		95		30-150	1		30	A
4,4'-DDD	99		99		30-150	0		30	A
4,4'-DDT	112		112		30-150	0		30	A
Endosulfan I	98		97		30-150	1		30	A
Endosulfan II	95		95		30-150	0		30	A
Endosulfan sulfate	92		94		30-150	2		30	A
Methoxychlor	99		100		30-150	1		30	A
cis-Chlordane	93		93		30-150	0		30	A
trans-Chlordane	95		95		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG693512-2 WG693512-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		81		30-150	A
Decachlorobiphenyl	79		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		79		30-150	B
Decachlorobiphenyl	75		75		30-150	B

METALS

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

SAMPLE RESULTS

Lab ID: L1411366-01

Date Collected: 05/27/14 13:17

Client ID: C1-SW-12FBG

Date Received: 05/27/14

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8200		mg/kg	9.2	1.8	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Antimony, Total	2.0	J	mg/kg	4.6	0.74	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Arsenic, Total	8.0		mg/kg	0.92	0.18	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Barium, Total	690		mg/kg	0.92	0.28	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Beryllium, Total	0.37	J	mg/kg	0.46	0.09	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Cadmium, Total	0.14	J	mg/kg	0.92	0.06	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.2	2.8	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Chromium, Total	34		mg/kg	0.92	0.18	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Cobalt, Total	9.9		mg/kg	1.8	0.46	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Copper, Total	33		mg/kg	0.92	0.18	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.6	1.8	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Lead, Total	220		mg/kg	4.6	0.18	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Magnesium, Total	3500		mg/kg	9.2	0.92	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.92	0.18	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Mercury, Total	0.42		mg/kg	0.10	0.02	1	06/02/14 11:03	06/03/14 10:35	EPA 7471B	1,7471B	MC
Nickel, Total	46		mg/kg	2.3	0.37	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Potassium, Total	1100		mg/kg	230	37.	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.28	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Sodium, Total	200		mg/kg	180	28.	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.92	0.09	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT
Zinc, Total	610		mg/kg	4.6	0.64	2	06/03/14 09:26	06/03/14 13:06	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG693700-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/02/14 11:03	06/03/14 09:48	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG694520-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/03/14 09:26	06/03/14 12:00	1,6010C	TT

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG693700-2 SRM Lot Number: 0518-10-02								
Mercury, Total	127		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG694520-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	109	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	102	-	82-117	-	
Calcium, Total	94	-	83-117	-	
Chromium, Total	101	-	80-119	-	
Cobalt, Total	104	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	97	-	74-126	-	
Manganese, Total	105	-	83-117	-	
Nickel, Total	104	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	103	-	74-127	-	
Thallium, Total	106	-	79-120	-	
Vanadium, Total	106	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG694520-2 SRM Lot Number: 0518-10-02					
Zinc, Total	103	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Lab Number: L1411366

Project Number: E040

Report Date: 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693700-4 QC Sample: L1411359-04 Client ID: MS Sample												
Mercury, Total	1.5	0.178	1.3	0	Q	-	-		80-120	-		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694520-4 QC Sample: L1411364-07 Client ID: MS Sample									
Aluminum, Total	5200	174	3700	0	Q	-	75-125	-	20
Antimony, Total	0.94J	43.4	37	85		-	75-125	-	20
Arsenic, Total	5.5	10.4	14	82		-	75-125	-	20
Barium, Total	62.	174	190	74	Q	-	75-125	-	20
Beryllium, Total	0.23J	4.34	4.0	92		-	75-125	-	20
Cadmium, Total	ND	4.43	3.9	88		-	75-125	-	20
Calcium, Total	11000	868	8000	0	Q	-	75-125	-	20
Chromium, Total	16.	17.4	28	69	Q	-	75-125	-	20
Cobalt, Total	8.0	43.4	42	78		-	75-125	-	20
Copper, Total	43.	21.7	53	46	Q	-	75-125	-	20
Iron, Total	13000	86.8	12000	0	Q	-	75-125	-	20
Lead, Total	59.	44.3	86	61	Q	-	75-125	-	20
Magnesium, Total	5600	868	3900	0	Q	-	75-125	-	20
Manganese, Total	190	43.4	170	0	Q	-	75-125	-	20
Nickel, Total	17.	43.4	46	67	Q	-	75-125	-	20
Potassium, Total	1300	868	1700	46	Q	-	75-125	-	20
Selenium, Total	ND	10.4	9.1	87		-	75-125	-	20
Silver, Total	0.22J	26	23	88		-	75-125	-	20
Sodium, Total	170	868	900	104		-	75-125	-	20
Thallium, Total	ND	10.4	8.0	77		-	75-125	-	20
Vanadium, Total	21.	43.4	58	85		-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694520-4 QC Sample: L1411364-07 Client ID: MS Sample									
Zinc, Total	93.	43.4	93	0	Q	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1411366**Report Date:** 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693700-3 QC Sample: L1411359-04 Client ID: DUP Sample						
Mercury, Total	1.5	1.4	mg/kg	7		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694520-3 QC Sample: L1411364-07 Client ID: DUP Sample					
Aluminum, Total	5200	3300	mg/kg	45	Q 20
Antimony, Total	0.94J	0.70J	mg/kg	NC	20
Arsenic, Total	5.5	5.2	mg/kg	6	20
Barium, Total	62.	41	mg/kg	41	Q 20
Beryllium, Total	0.23J	0.14J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	11000	11000	mg/kg	0	20
Chromium, Total	16.	16	mg/kg	0	20
Cobalt, Total	8.0	4.4	mg/kg	58	Q 20
Copper, Total	43.	21	mg/kg	69	Q 20
Iron, Total	13000	14000	mg/kg	7	20
Lead, Total	59.	32	mg/kg	59	Q 20
Magnesium, Total	5600	5800	mg/kg	4	20
Manganese, Total	190	150	mg/kg	24	Q 20
Nickel, Total	17.	9.5	mg/kg	57	Q 20
Potassium, Total	1300	970	mg/kg	29	Q 20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	0.22J	ND	mg/kg	NC	20
Sodium, Total	170	170	mg/kg	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694520-3 QC Sample: L1411364-07 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	21.	21	mg/kg	0	20
Zinc, Total	93.	48	mg/kg	64 Q	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

SAMPLE RESULTS

Lab ID: L1411366-01

Client ID: C1-SW-12FBG

Sample Location: 520 WEST 28TH ST., NEW YORK, N

Matrix: Soil

Date Collected: 05/27/14 13:17

Date Received: 05/27/14

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	84.3		%	0.100	NA	1	-	05/29/14 23:04	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1411366**Report Date:** 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693541-1 QC Sample: L1410865-12 Client ID: DUP Sample						
Solids, Total	80.6	80.0	%	1		20

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1411366

Report Date: 06/03/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/28/2014 02:30

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1411366-01A	5 gram Encore Sampler	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(2)
L1411366-01B	5 gram Encore Sampler	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(2)
L1411366-01C	5 gram Encore Sampler	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(2)
L1411366-01D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1411366-01E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),ASP-B(),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1411366-01F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),ASP-B(),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1411366-01X	Vial MeOH preserved split	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1411366-01Y	Vial Water preserved split	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1411366-01Z	Vial Water preserved split	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1411366-02A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1411366-02B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH ST.**Lab Number:** L1411366**Project Number:** E040**Report Date:** 06/03/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1411366
Report Date: 06/03/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1411366
Report Date: 06/03/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1411199
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	06/02/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411199
Report Date: 06/02/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1411199-01	B1-SW-12 FTBG	520 W 28TH ST., NYC	05/23/14 09:50
L1411199-02	TRIP BLANK 5-23-14	520 W 28TH ST., NYC	05/23/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411199
Report Date: 06/02/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411199
Report Date: 06/02/14

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.

Volatile Organics

L1411199-02: The Trip Blank has results for toluene present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Metals

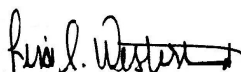
L1411199-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG694213-4 MS recoveries for aluminum (163%), calcium (0%), iron (0%), and manganese (65%), performed on L1411199-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG694213-3 Laboratory Duplicate RPDs, performed on L1411199-01, are outside the acceptance criteria for barium (35%), calcium (63%), lead (59%), nickel (46%), and zinc (41%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 06/02/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01
Client ID: B1-SW-12 FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/01/14 14:31
Analyst: BN
Percent Solids: 84%

Date Collected: 05/23/14 09:50
Date Received: 05/23/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	620	120	1
1,1-Dichloroethane	ND		ug/kg	92	11.	1
Chloroform	ND		ug/kg	92	23.	1
Carbon tetrachloride	ND		ug/kg	62	13.	1
1,2-Dichloropropane	ND		ug/kg	220	14.	1
Dibromochloromethane	ND		ug/kg	62	19.	1
1,1,2-Trichloroethane	ND		ug/kg	92	19.	1
Tetrachloroethene	ND		ug/kg	62	8.6	1
Chlorobenzene	ND		ug/kg	62	21.	1
Trichlorofluoromethane	ND		ug/kg	310	7.5	1
1,2-Dichloroethane	ND		ug/kg	62	9.0	1
1,1,1-Trichloroethane	ND		ug/kg	62	6.8	1
Bromodichloromethane	ND		ug/kg	62	14.	1
trans-1,3-Dichloropropene	ND		ug/kg	62	7.4	1
cis-1,3-Dichloropropene	ND		ug/kg	62	7.8	1
1,3-Dichloropropene, Total	ND		ug/kg	62	7.4	1
1,1-Dichloropropene	ND		ug/kg	310	28.	1
Bromoform	ND		ug/kg	250	26.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	62	10.	1
Benzene	ND		ug/kg	62	7.3	1
Toluene	31	J	ug/kg	92	6.9	1
Ethylbenzene	ND		ug/kg	62	9.1	1
Chloromethane	ND		ug/kg	310	48.	1
Bromomethane	48	J	ug/kg	120	21.	1
Vinyl chloride	ND		ug/kg	120	8.7	1
Chloroethane	ND		ug/kg	120	19.	1
1,1-Dichloroethene	ND		ug/kg	62	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	92	13.	1
Trichloroethene	ND		ug/kg	62	9.4	1
1,2-Dichlorobenzene	ND		ug/kg	310	11.	1
1,3-Dichlorobenzene	ND		ug/kg	310	11.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01
 Client ID: B1-SW-12 FTBG
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 05/23/14 09:50
 Date Received: 05/23/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	310	15.	1
Methyl tert butyl ether	ND		ug/kg	120	6.4	1
p/m-Xylene	ND		ug/kg	120	20.	1
o-Xylene	ND		ug/kg	120	17.	1
Xylene (Total)	ND		ug/kg	120	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	62	9.2	1
1,2-Dichloroethene (total)	ND		ug/kg	62	9.2	1
Dibromomethane	ND		ug/kg	620	10.	1
Styrene	ND		ug/kg	120	19.	1
Dichlorodifluoromethane	ND		ug/kg	620	13.	1
Acetone	ND		ug/kg	620	190	1
Carbon disulfide	ND		ug/kg	620	120	1
2-Butanone	150	J	ug/kg	620	22.	1
Vinyl acetate	ND		ug/kg	620	30.	1
4-Methyl-2-pentanone	ND		ug/kg	620	15.	1
1,2,3-Trichloropropane	ND		ug/kg	620	14.	1
2-Hexanone	ND		ug/kg	620	12.	1
Bromochloromethane	ND		ug/kg	310	12.	1
2,2-Dichloropropane	ND		ug/kg	310	14.	1
1,2-Dibromoethane	ND		ug/kg	250	11.	1
1,3-Dichloropropane	ND		ug/kg	310	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	62	20.	1
Bromobenzene	ND		ug/kg	310	13.	1
n-Butylbenzene	15	J	ug/kg	62	12.	1
sec-Butylbenzene	ND		ug/kg	62	13.	1
tert-Butylbenzene	ND		ug/kg	310	34.	1
o-Chlorotoluene	ND		ug/kg	310	9.8	1
p-Chlorotoluene	ND		ug/kg	310	9.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	49.	1
Hexachlorobutadiene	ND		ug/kg	310	26.	1
Isopropylbenzene	ND		ug/kg	62	10.	1
p-Isopropyltoluene	14	J	ug/kg	62	12.	1
Naphthalene	330		ug/kg	310	47.	1
Acrylonitrile	ND		ug/kg	620	15.	1
n-Propylbenzene	ND		ug/kg	62	7.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	310	10.	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	49.	1
1,3,5-Trimethylbenzene	15	J	ug/kg	310	8.8	1
1,2,4-Trimethylbenzene	53	J	ug/kg	310	35.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01

Date Collected: 05/23/14 09:50

Client ID: B1-SW-12 FTBG

Date Received: 05/23/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	6200	1100	1
1,4-Diethylbenzene	64	J	ug/kg	250	9.8	1
4-Ethyltoluene	ND		ug/kg	250	7.2	1
1,2,4,5-Tetramethylbenzene	120	J	ug/kg	250	8.0	1
Ethyl ether	ND		ug/kg	310	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	28.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-02
Client ID: TRIP BLANK 5-23-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/26/14 12:08
Analyst: PD

Date Collected: 05/23/14 00:00
Date Received: 05/23/14
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
1,3-Dichloropropene, Total	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	3.0		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-02
 Client ID: TRIP BLANK 5-23-14
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 05/23/14 00:00
 Date Received: 05/23/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-02

Date Collected: 05/23/14 00:00

Client ID: TRIP BLANK 5-23-14

Date Received: 05/23/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	104		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/26/14 11:40
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692467-3					
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/26/14 11:40
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692467-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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



Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/26/14 11:40
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692467-3					
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
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/14 11:02
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694083-6					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,3-Dichloropropene, Total	ND		ug/kg	50	6.0
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	70	J	ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/14 11:02
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694083-6					
1,4-Dichlorobenzene	ND		ug/kg	250	12.
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
Xylene (Total)	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
1,2-Dichloroethene (total)	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/14 11:02
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694083-6					
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	45.
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Ethyl Acetate	ND		ug/kg	1000	41.
Acrolein	ND		ug/kg	1200	460
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	19.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	21.
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	29.

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/01/14 11:02

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG694083-6					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

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: WG692467-1 WG692467-2								
Methylene chloride	108		96		70-130	12		20
1,1-Dichloroethane	112		100		70-130	11		20
Chloroform	121		108		70-130	11		20
Carbon tetrachloride	123		109		63-132	12		20
1,2-Dichloropropane	106		95		70-130	11		20
Dibromochloromethane	111		98		63-130	12		20
1,1,2-Trichloroethane	106		96		70-130	10		20
Tetrachloroethene	118		106		70-130	11		20
Chlorobenzene	113		100		75-130	12		20
Trichlorofluoromethane	130		118		62-150	10		20
1,2-Dichloroethane	115		102		70-130	12		20
1,1,1-Trichloroethane	121		109		67-130	10		20
Bromodichloromethane	114		100		67-130	13		20
trans-1,3-Dichloropropene	111		100		70-130	10		20
cis-1,3-Dichloropropene	107		96		70-130	11		20
1,1-Dichloropropene	111		100		70-130	10		20
Bromoform	98		89		54-136	10		20
1,1,2,2-Tetrachloroethane	80		74		67-130	8		20
Benzene	110		98		70-130	12		20
Toluene	107		95		70-130	12		20
Ethylbenzene	112		100		70-130	11		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

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: WG692467-1 WG692467-2								
Chloromethane	109		98		64-130	11		20
Bromomethane	109		107		39-139	2		20
Vinyl chloride	103		93		55-140	10		20
Chloroethane	115		104		55-138	10		20
1,1-Dichloroethene	111		101		61-145	9		20
trans-1,2-Dichloroethene	113		102		70-130	10		20
Trichloroethene	116		103		70-130	12		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	118		104		70-130	13		20
1,4-Dichlorobenzene	117		103		70-130	13		20
Methyl tert butyl ether	108		99		63-130	9		20
p/m-Xylene	124		110		70-130	12		20
o-Xylene	121		108		70-130	11		20
cis-1,2-Dichloroethene	114		100		70-130	13		20
Dibromomethane	108		96		70-130	12		20
1,2,3-Trichloropropane	90		83		64-130	8		20
Acrylonitrile	97		89		70-130	9		20
Styrene	123		110		70-130	11		20
Dichlorodifluoromethane	111		101		36-147	9		20
Acetone	98		89		58-148	10		20
Carbon disulfide	104		97		51-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

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: WG692467-1 WG692467-2								
2-Butanone	114		105		63-138	8		20
Vinyl acetate	107		96		70-130	11		20
4-Methyl-2-pentanone	86		79		59-130	8		20
2-Hexanone	84		76		57-130	10		20
Bromochloromethane	119		108		70-130	10		20
2,2-Dichloropropane	128		113		63-133	12		20
1,2-Dibromoethane	101		92		70-130	9		20
1,3-Dichloropropane	100		91		70-130	9		20
1,1,1,2-Tetrachloroethane	125		109		64-130	14		20
Bromobenzene	94		84		70-130	11		20
n-Butylbenzene	120		106		53-136	12		20
sec-Butylbenzene	112		99		70-130	12		20
tert-Butylbenzene	108		95		70-130	13		20
o-Chlorotoluene	106		94		70-130	12		20
p-Chlorotoluene	103		91		70-130	12		20
1,2-Dibromo-3-chloropropane	100		89		41-144	12		20
Hexachlorobutadiene	101		92		63-130	9		20
Isopropylbenzene	93		83		70-130	11		20
p-Isopropyltoluene	119		103		70-130	14		20
Naphthalene	80		76		70-130	5		20
n-Propylbenzene	101		89		69-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

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: WG692467-1 WG692467-2								
1,2,3-Trichlorobenzene	83		79		70-130	5		20
1,2,4-Trichlorobenzene	108		99		70-130	9		20
1,3,5-Trimethylbenzene	117		103		64-130	13		20
1,2,4-Trimethylbenzene	112		98		70-130	13		20
1,4-Dioxane	112		86		56-162	26	Q	20
p-Diethylbenzene	120		105		70-130	13		20
p-Ethyltoluene	110		97		70-130	13		20
1,2,4,5-Tetramethylbenzene	120		104		70-130	14		20
Ethyl ether	115		104		59-134	10		20
trans-1,4-Dichloro-2-butene	81		73		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	80		80		70-130
Dibromofluoromethane	109		108		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694083-4 WG694083-5								
Methylene chloride	104		116		70-130	11		30
1,1-Dichloroethane	98		118		70-130	19		30
Chloroform	102		119		70-130	15		30
Carbon tetrachloride	90		122		70-130	30		30
1,2-Dichloropropane	110		124		70-130	12		30
Dibromochloromethane	94		101		70-130	7		30
1,1,2-Trichloroethane	98		105		70-130	7		30
Tetrachloroethene	85		110		70-130	26		30
Chlorobenzene	91		105		70-130	14		30
Trichlorofluoromethane	76		107		70-139	34	Q	30
1,2-Dichloroethane	106		116		70-130	9		30
1,1,1-Trichloroethane	94		120		70-130	24		30
Bromodichloromethane	107		120		70-130	11		30
trans-1,3-Dichloropropene	91		99		70-130	8		30
cis-1,3-Dichloropropene	107		119		70-130	11		30
1,1-Dichloropropene	92		124		70-130	30		30
Bromoform	86		93		70-130	8		30
1,1,2,2-Tetrachloroethane	85		93		70-130	9		30
Benzene	100		120		70-130	18		30
Toluene	85		102		70-130	18		30
Ethylbenzene	86		105		70-130	20		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694083-4 WG694083-5								
Chloromethane	68		85		52-130	22		30
Bromomethane	118		135		57-147	13		30
Vinyl chloride	63	Q	86		67-130	31	Q	30
Chloroethane	72		92		50-151	24		30
1,1-Dichloroethene	83		114		65-135	31	Q	30
trans-1,2-Dichloroethene	93		116		70-130	22		30
Trichloroethene	100		124		70-130	21		30
1,2-Dichlorobenzene	88		99		70-130	12		30
1,3-Dichlorobenzene	86		99		70-130	14		30
1,4-Dichlorobenzene	87		100		70-130	14		30
Methyl tert butyl ether	101		108		66-130	7		30
p/m-Xylene	88		106		70-130	19		30
o-Xylene	91		106		70-130	15		30
cis-1,2-Dichloroethene	103		122		70-130	17		30
Dibromomethane	113		122		70-130	8		30
Styrene	94		107		70-130	13		30
Dichlorodifluoromethane	51		75		30-146	38	Q	30
Acetone	122		139		54-140	13		30
Carbon disulfide	72		96		59-130	29		30
2-Butanone	119		124		70-130	4		30
Vinyl acetate	100		104		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694083-4 WG694083-5								
4-Methyl-2-pentanone	118		129		70-130	9		30
1,2,3-Trichloropropane	87		94		68-130	8		30
2-Hexanone	92		102		70-130	10		30
Bromochloromethane	114		124		70-130	8		30
2,2-Dichloropropane	90		115		70-130	24		30
1,2-Dibromoethane	95		103		70-130	8		30
1,3-Dichloropropane	93		102		69-130	9		30
1,1,1,2-Tetrachloroethane	92		104		70-130	12		30
Bromobenzene	85		97		70-130	13		30
n-Butylbenzene	81		103		70-130	24		30
sec-Butylbenzene	78		101		70-130	26		30
tert-Butylbenzene	78		99		70-130	24		30
o-Chlorotoluene	78		96		70-130	21		30
p-Chlorotoluene	81		96		70-130	17		30
1,2-Dibromo-3-chloropropane	85		94		68-130	10		30
Hexachlorobutadiene	82		106		67-130	26		30
Isopropylbenzene	86		106		70-130	21		30
p-Isopropyltoluene	81		101		70-130	22		30
Naphthalene	89		98		70-130	10		30
Acrylonitrile	112		121		70-130	8		30
Isopropyl Ether	106		116		66-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694083-4 WG694083-5								
tert-Butyl Alcohol	112		122		70-130	9		30
n-Propylbenzene	78		99		70-130	24		30
1,2,3-Trichlorobenzene	90		100		70-130	11		30
1,2,4-Trichlorobenzene	91		103		70-130	12		30
1,3,5-Trimethylbenzene	81		98		70-130	19		30
1,2,4-Trimethylbenzene	82		98		70-130	18		30
Methyl Acetate	104		112		51-146	7		30
Ethyl Acetate	117		123		70-130	5		30
Acrolein	100		116		70-130	15		30
Cyclohexane	91		130		59-142	35	Q	30
1,4-Dioxane	122		132		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	84		123		50-139	38	Q	30
1,4-Diethylbenzene	108		132	Q	70-130	20		30
4-Ethyltoluene	106		128		70-130	19		30
1,2,4,5-Tetramethylbenzene	114		130		70-130	13		30
Tetrahydrofuran	101		119		66-130	16		30
Ethyl ether	85		96		67-130	12		30
trans-1,4-Dichloro-2-butene	77		86		70-130	11		30
Methyl cyclohexane	92		133	Q	70-130	36	Q	30
Ethyl-Tert-Butyl-Ether	106		116		70-130	9		30
Tertiary-Amyl Methyl Ether	108		116		70-130	7		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG694083-4 WG694083-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	89		88		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01
Client ID: B1-SW-12 FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/01/14 23:53
Analyst: AS
Percent Solids: 84%

Date Collected: 05/23/14 09:50
Date Received: 05/23/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/28/14 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	1300		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	120	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	550		ug/kg	120	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01
 Client ID: B1-SW-12 FTBG
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 05/23/14 09:50
 Date Received: 05/23/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	490		ug/kg	160	47.	1
Benzo(b)fluoranthene	640		ug/kg	120	39.	1
Benzo(k)fluoranthene	240		ug/kg	120	37.	1
Chrysene	570		ug/kg	120	38.	1
Acenaphthylene	68	J	ug/kg	160	36.	1
Anthracene	280		ug/kg	120	32.	1
Benzo(ghi)perylene	280		ug/kg	160	40.	1
Fluorene	160	J	ug/kg	190	56.	1
Phenanthrene	1200		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	68	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	300		ug/kg	160	43.	1
Pyrene	1100		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	110	J	ug/kg	190	65.	1
2-Methylnaphthalene	89	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	130	J	ug/kg	190	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01

Date Collected: 05/23/14 09:50

Client ID: B1-SW-12 FTBG

Date Received: 05/23/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	114		0-136
4-Terphenyl-d14	79		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/01/14 17:38
 Analyst: AS

Extraction Method: EPA 3546
 Extraction Date: 05/28/14 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG692881-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	72	J	ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/01/14 17:38
 Analyst: AS

Extraction Method: EPA 3546
 Extraction Date: 05/28/14 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG692881-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/01/14 17:38
 Analyst: AS

Extraction Method: EPA 3546
 Extraction Date: 05/28/14 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG692881-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	77		0-136
4-Terphenyl-d14	97		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692881-2 WG692881-3								
Acenaphthene	91		101		31-137	10		50
1,2,4-Trichlorobenzene	77		92		38-107	18		50
Hexachlorobenzene	95		103		40-140	8		50
Bis(2-chloroethyl)ether	73		88		40-140	19		50
2-Chloronaphthalene	85		94		40-140	10		50
1,2-Dichlorobenzene	76		92		40-140	19		50
1,3-Dichlorobenzene	75		91		40-140	19		50
1,4-Dichlorobenzene	76		92		28-104	19		50
3,3'-Dichlorobenzidine	71		69		40-140	3		50
2,4-Dinitrotoluene	101	Q	107	Q	28-89	6		50
2,6-Dinitrotoluene	94		100		40-140	6		50
Fluoranthene	101		106		40-140	5		50
4-Chlorophenyl phenyl ether	95		102		40-140	7		50
4-Bromophenyl phenyl ether	95		102		40-140	7		50
Bis(2-chloroisopropyl)ether	67		80		40-140	18		50
Bis(2-chloroethoxy)methane	78		90		40-117	14		50
Hexachlorobutadiene	75		91		40-140	19		50
Hexachlorocyclopentadiene	88		105		40-140	18		50
Hexachloroethane	72		87		40-140	19		50
Isophorone	80		90		40-140	12		50
Naphthalene	80		95		40-140	17		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692881-2 WG692881-3								
Nitrobenzene	74		88		40-140	17		50
NitrosoDiPhenylAmine(NDPA)/DPA	96		103			7		50
n-Nitrosodi-n-propylamine	74		87		32-121	16		50
Bis(2-ethylhexyl)phthalate	102		109		40-140	7		50
Butyl benzyl phthalate	105		109		40-140	4		50
Di-n-butylphthalate	103		109		40-140	6		50
Di-n-octylphthalate	104		112		40-140	7		50
Diethyl phthalate	95		100		40-140	5		50
Dimethyl phthalate	100		107		40-140	7		50
Benzo(a)anthracene	100		107		40-140	7		50
Benzo(a)pyrene	104		112		40-140	7		50
Benzo(b)fluoranthene	101		107		40-140	6		50
Benzo(k)fluoranthene	97		104		40-140	7		50
Chrysene	96		102		40-140	6		50
Acenaphthylene	94		102		40-140	8		50
Anthracene	105		112		40-140	6		50
Benzo(ghi)perylene	97		103		40-140	6		50
Fluorene	99		105		40-140	6		50
Phenanthrene	100		108		40-140	8		50
Dibenzo(a,h)anthracene	100		107		40-140	7		50
Indeno(1,2,3-cd)pyrene	99		106		40-140	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692881-2 WG692881-3								
Pyrene	99		104		35-142	5		50
Biphenyl	89		99			11		50
4-Chloroaniline	69		71		40-140	3		50
2-Nitroaniline	95		103		47-134	8		50
3-Nitroaniline	97		106		26-129	9		50
4-Nitroaniline	95		97		41-125	2		50
Dibenzofuran	94		103		40-140	9		50
2-Methylnaphthalene	86		98		40-140	13		50
1,2,4,5-Tetrachlorobenzene	83		96		40-117	15		50
Acetophenone	79		92		14-144	15		50
2,4,6-Trichlorophenol	96		104		30-130	8		50
P-Chloro-M-Cresol	94		101		26-103	7		50
2-Chlorophenol	86		103	Q	25-102	18		50
2,4-Dichlorophenol	94		106		30-130	12		50
2,4-Dimethylphenol	91		101		30-130	10		50
2-Nitrophenol	83		98		30-130	17		50
4-Nitrophenol	93		100		11-114	7		50
2,4-Dinitrophenol	91		99		4-130	8		50
4,6-Dinitro-o-cresol	95		102		10-130	7		50
Pentachlorophenol	105		114	Q	17-109	8		50
Phenol	85		97	Q	26-90	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692881-2 WG692881-3								
2-Methylphenol	88		103		30-130.	16		50
3-Methylphenol/4-Methylphenol	91		104		30-130	13		50
2,4,5-Trichlorophenol	98		106		30-130	8		50
Benzoic Acid	64		65			2		50
Benzyl Alcohol	82		96		40-140	16		50
Carbazole	101		106		54-128	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		100		25-120
Phenol-d6	84		98		10-120
Nitrobenzene-d5	70		83		23-120
2-Fluorobiphenyl	82		91		30-120
2,4,6-Tribromophenol	92		98		0-136
4-Terphenyl-d14	94		99		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01
Client ID: B1-SW-12 FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/30/14 19:36
Analyst: JW
Percent Solids: 84%

Date Collected: 05/23/14 09:50
Date Received: 05/23/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/28/14 03:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/29/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	3.04	1	A
Aroclor 1221	ND		ug/kg	38.5	3.55	1	A
Aroclor 1232	ND		ug/kg	38.5	4.51	1	A
Aroclor 1242	ND		ug/kg	38.5	4.71	1	A
Aroclor 1248	ND		ug/kg	38.5	3.25	1	A
Aroclor 1254	15.2	J	ug/kg	38.5	3.16	1	A
Aroclor 1260	ND		ug/kg	38.5	2.93	1	A
Aroclor 1262	ND		ug/kg	38.5	1.91	1	A
Aroclor 1268	ND		ug/kg	38.5	5.58	1	A
PCBs, Total	15.2	J	ug/kg	38.5	1.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/29/14 11:08
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 05/28/14 03:51
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/28/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG692886-1						
Aroclor 1016	ND		ug/kg	31.4	2.48	A
Aroclor 1221	ND		ug/kg	31.4	2.89	A
Aroclor 1232	ND		ug/kg	31.4	3.68	A
Aroclor 1242	ND		ug/kg	31.4	3.84	A
Aroclor 1248	ND		ug/kg	31.4	2.65	A
Aroclor 1254	ND		ug/kg	31.4	2.58	A
Aroclor 1260	ND		ug/kg	31.4	2.39	A
Aroclor 1262	ND		ug/kg	31.4	1.56	A
Aroclor 1268	ND		ug/kg	31.4	4.55	A
PCBs, Total	ND		ug/kg	31.4	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	53		30-150	B
Decachlorobiphenyl	39		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG692886-2 WG692886-3									
Aroclor 1016	68		72		40-140	6		50	A
Aroclor 1260	50		49		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		70		30-150	A
Decachlorobiphenyl	42		41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		71		30-150	B
Decachlorobiphenyl	59		58		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1411199**Project Number:** E040**Report Date:** 06/02/14**SAMPLE RESULTS**

Lab ID: L1411199-01
Client ID: B1-SW-12 FTBG
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/31/14 15:53
Analyst: GP
Percent Solids: 84%

Date Collected: 05/23/14 09:50
Date Received: 05/23/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/28/14 01:14
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	7.31		ug/kg	3.40	1.46	1	B
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/30/14 14:02
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 05/28/14 01:14
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG692873-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.302	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	37		30-150	A
Decachlorobiphenyl	37		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG692873-2 WG692873-3									
Delta-BHC	53		56		30-150	6		30	A
Lindane	51		55		30-150	8		30	A
Alpha-BHC	52		57		30-150	9		30	A
Beta-BHC	48		49		30-150	2		30	A
Heptachlor	54		59		30-150	9		30	A
Aldrin	52		55		30-150	6		30	A
Heptachlor epoxide	48		51		30-150	6		30	A
Endrin	49		53		30-150	8		30	A
Endrin ketone	40		42		30-150	5		30	A
Dieldrin	48		52		30-150	8		30	A
4,4'-DDE	47		50		30-150	6		30	A
4,4'-DDD	56		60		30-150	7		30	A
4,4'-DDT	42		45		30-150	7		30	A
Endosulfan I	48		52		30-150	8		30	A
Endosulfan II	47		50		30-150	6		30	A
Endosulfan sulfate	43		46		30-150	7		30	A
Methoxychlor	41		43		30-150	5		30	A
cis-Chlordane	46		49		30-150	6		30	A
trans-Chlordane	48		51		30-150	6		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG692873-2 WG692873-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		47		30-150	A
Decachlorobiphenyl	37		38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		45		30-150	B
Decachlorobiphenyl	35		35		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

SAMPLE RESULTS

Lab ID: L1411199-01

Date Collected: 05/23/14 09:50

Client ID: B1-SW-12 FTBG

Date Received: 05/23/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8700		mg/kg	9.1	1.8	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.72	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Arsenic, Total	4.9		mg/kg	0.91	0.18	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Barium, Total	83		mg/kg	0.91	0.27	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Beryllium, Total	0.37	J	mg/kg	0.45	0.09	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.91	0.06	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Calcium, Total	7100		mg/kg	9.1	2.7	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Chromium, Total	22		mg/kg	0.91	0.18	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Cobalt, Total	7.5		mg/kg	1.8	0.45	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.91	0.18	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Iron, Total	18000		mg/kg	4.5	1.8	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Lead, Total	88		mg/kg	4.5	0.18	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Magnesium, Total	3500		mg/kg	9.1	0.91	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Manganese, Total	320		mg/kg	0.91	0.18	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Mercury, Total	0.22		mg/kg	0.08	0.02	1	05/30/14 08:15	05/30/14 12:00	EPA 7471B	1,7471B	MC
Nickel, Total	40		mg/kg	2.3	0.36	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	230	36.	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Selenium, Total	0.43	J	mg/kg	1.8	0.27	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Silver, Total	0.38	J	mg/kg	0.91	0.18	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Sodium, Total	230		mg/kg	180	27.	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.91	0.09	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG
Zinc, Total	83		mg/kg	4.5	0.63	2	06/02/14 11:40	06/02/14 13:32	EPA 3050B	1,6010C	MG



Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG693440-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/30/14 08:15	05/30/14 11:54	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG694213-1										
Aluminum, Total	1.0	J	mg/kg	4.0	0.80	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Silver, Total	0.18	J	mg/kg	0.40	0.08	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/02/14 11:40	06/02/14 13:24	1,6010C	MG

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG693440-2 SRM Lot Number: 0518-10-02								
Mercury, Total	121		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG694213-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	86	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	93	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	107	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	96	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG694213-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1411199

Project Number: E040

Report Date: 06/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693440-4 QC Sample: L1411264-05 Client ID: MS Sample												
Mercury, Total	0.07J	0.161	0.27	167	Q	-	-		80-120	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694213-4 QC Sample: L1411199-01 Client ID: B1-SW-12 FTBG									
Aluminum, Total	8700	184	9000	163	Q	-	75-125	-	20
Antimony, Total	ND	46.1	40	87		-	75-125	-	20
Arsenic, Total	4.9	11.1	15	91		-	75-125	-	20
Barium, Total	83.	184	240	85		-	75-125	-	20
Beryllium, Total	0.37J	4.61	4.7	102		-	75-125	-	20
Cadmium, Total	ND	4.7	4.4	94		-	75-125	-	20
Calcium, Total	7100	922	7000	0	Q	-	75-125	-	20
Chromium, Total	22.	18.4	38	87		-	75-125	-	20
Cobalt, Total	7.5	46.1	48	88		-	75-125	-	20
Copper, Total	24.	23	45	91		-	75-125	-	20
Iron, Total	18000	92.2	17000	0	Q	-	75-125	-	20
Lead, Total	88.	47	130	89		-	75-125	-	20
Magnesium, Total	3500	922	4200	76		-	75-125	-	20
Manganese, Total	320	46.1	350	65	Q	-	75-125	-	20
Nickel, Total	40.	46.1	76	78		-	75-125	-	20
Potassium, Total	1000	922	1900	98		-	75-125	-	20
Selenium, Total	0.43J	11.1	11	99		-	75-125	-	20
Silver, Total	0.38J	27.6	26	94		-	75-125	-	20
Sodium, Total	230	922	1100	94		-	75-125	-	20
Thallium, Total	ND	11.1	9.7	88		-	75-125	-	20
Vanadium, Total	19.	46.1	62	93		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694213-4 QC Sample: L1411199-01 Client ID: B1-SW-12 FTBG									
Zinc, Total	83.	46.1	130	102	-	-	75-125	-	20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1411199
Report Date: 06/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693440-3 QC Sample: L1411264-05 Client ID: DUP Sample						
Mercury, Total	0.07J	0.06J	mg/kg	NC		35

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1411199
Report Date: 06/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694213-3 QC Sample: L1411199-01 Client ID: B1-SW-12 FTBG					
Aluminum, Total	8700	9500	mg/kg	9	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	4.9	4.4	mg/kg	11	20
Barium, Total	83.	58	mg/kg	35	Q 20
Beryllium, Total	0.37J	0.39J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	7100	3700	mg/kg	63	Q 20
Chromium, Total	22.	20	mg/kg	10	20
Cobalt, Total	7.5	6.9	mg/kg	8	20
Copper, Total	24.	21	mg/kg	13	20
Iron, Total	18000	16000	mg/kg	12	20
Lead, Total	88.	48	mg/kg	59	Q 20
Magnesium, Total	3500	3900	mg/kg	11	20
Manganese, Total	320	320	mg/kg	0	20
Nickel, Total	40.	25	mg/kg	46	Q 20
Potassium, Total	1000	870	mg/kg	14	20
Selenium, Total	0.43J	0.29J	mg/kg	NC	20
Silver, Total	0.38J	0.19J	mg/kg	NC	20
Sodium, Total	230	260	mg/kg	12	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG694213-3 QC Sample: L1411199-01 Client ID: B1-SW-12 FTBG					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	19.	19	mg/kg	0	20
Zinc, Total	83.	55	mg/kg	41	Q 20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

SAMPLE RESULTS

Lab ID: L1411199-01

Client ID: B1-SW-12 FTBG

Sample Location: 520 W 28TH ST., NYC

Matrix: Soil

Date Collected: 05/23/14 09:50

Date Received: 05/23/14

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	84.1		%	0.100	NA	1	-	05/24/14 04:35	30,2540G	RT

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1411199
Report Date: 06/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG692214-1 QC Sample: L1411253-01 Client ID: DUP Sample						
Solids, Total	77.5	76.6	%	1		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1411199

Report Date: 06/02/14

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(*)
L1411199-01A	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1411199-01B	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1411199-01C	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1411199-01D	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)
L1411199-01E	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411199-01F	Amber 250ml unpreserved	A	N/A	3.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1411199-01X	Vial MeOH preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1411199-01Y	Vial Water preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1411199-01Z	Vial Water preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1411199-02A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1411199-02B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411199
Report Date: 06/02/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411199
Report Date: 06/02/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1411199
Report Date: 06/02/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1410975
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH ST.
Project Number:	E040
Report Date:	06/03/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410975
Report Date: 06/03/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1410975-01	A1 WEST-SW 7 FBG	520 W. 28TH ST., NYC	05/20/14 15:52
L1410975-02	FIELD BLANK 5-21-14	520 W. 28TH ST., NYC	05/21/14 14:14
L1410975-03	TRIP BLANK 5-21-14	520 W. 28TH ST., NYC	05/21/14 00:00

Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410975
Report Date: 06/03/14

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: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410975
Report Date: 06/03/14

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.

Volatile Organics

L1410975-02, -03: The Field Blank and Trip Blank (respectively) had results for toluene present above the reporting limit. The sample vials were verified as being labeled correctly by the laboratory and the previous analyses showed there was no potential for carry over.

Semivolatile Organics

L1410975-01 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

Pesticides

L1410975-02 was re-extracted, outside of holding time, due to a laboratory error on the original extraction. The results of both extractions are reported. Please note, there is no LCS/LCSD data available from the original extraction.

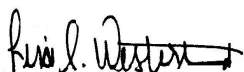
Metals

L1410975-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG691808-2 LCS recovery, associated with L1410975-02, is above the acceptance criteria for selenium (124%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 06/03/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01
Client ID: A1 WEST-SW 7 FBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/26/14 13:52
Analyst: MV
Percent Solids: 87%

Date Collected: 05/20/14 15:52
Date Received: 05/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	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	0.24	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
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.49	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.84	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.20	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01

Date Collected: 05/20/14 15:52

Client ID: A1 WEST-SW 7 FBG

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
Xylene (Total)	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	4.6	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	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	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	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	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	0.84	J	ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01

Date Collected: 05/20/14 15:52

Client ID: A1 WEST-SW 7 FBG

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.17	1
4-Ethyltoluene	ND		ug/kg	4.3	0.12	1
1,2,4,5-Tetramethylbenzene	0.36	J	ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02
Client ID: FIELD BLANK 5-21-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/14 14:28
Analyst: PD

Date Collected: 05/21/14 14:14
Date Received: 05/21/14
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
1,3-Dichloropropene, Total	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	3.2		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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02

Date Collected: 05/21/14 14:14

Client ID: FIELD BLANK 5-21-14

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02

Date Collected: 05/21/14 14:14

Client ID: FIELD BLANK 5-21-14

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-03
Client ID: TRIP BLANK 5-21-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/14 15:03
Analyst: PD

Date Collected: 05/21/14 00:00
Date Received: 05/21/14
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
1,3-Dichloropropene, Total	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	3.2		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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-03

Date Collected: 05/21/14 00:00

Client ID: TRIP BLANK 5-21-14

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-03

Date Collected: 05/21/14 00:00

Client ID: TRIP BLANK 5-21-14

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/25/14 12:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG692393-3					
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/25/14 12:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG692393-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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



Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/25/14 12:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG692393-3					
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
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/26/14 10:47
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692809-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
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	0.20	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.66	J	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

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/26/14 10:47
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692809-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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
Xylene (Total)	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichloroethene (total)	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

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/26/14 10:47
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692809-3					
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
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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/26/14 10:47

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692809-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG692393-1 WG692393-2								
Methylene chloride	97		101		70-130	4		20
1,1-Dichloroethane	106		109		70-130	3		20
Chloroform	106		108		70-130	2		20
Carbon tetrachloride	108		110		63-132	2		20
1,2-Dichloropropane	102		105		70-130	3		20
Dibromochloromethane	90		95		63-130	5		20
1,1,2-Trichloroethane	96		103		70-130	7		20
Tetrachloroethene	112		119		70-130	6		20
Chlorobenzene	108		117		75-130	8		20
Trichlorofluoromethane	100		103		62-150	3		20
1,2-Dichloroethane	102		103		70-130	1		20
1,1,1-Trichloroethane	105		110		67-130	5		20
Bromodichloromethane	101		102		67-130	1		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	93		95		70-130	2		20
1,1-Dichloropropene	109		113		70-130	4		20
Bromoform	83		84		54-136	1		20
1,1,2,2-Tetrachloroethane	93		94		67-130	1		20
Benzene	106		110		70-130	4		20
Toluene	109		116		70-130	6		20
Ethylbenzene	114		121		70-130	6		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG692393-1 WG692393-2								
Chloromethane	100		101		64-130	1		20
Bromomethane	89		91		39-139	2		20
Vinyl chloride	115		122		55-140	6		20
Chloroethane	104		98		55-138	6		20
1,1-Dichloroethene	102		103		61-145	1		20
trans-1,2-Dichloroethene	107		110		70-130	3		20
Trichloroethene	103		106		70-130	3		20
1,2-Dichlorobenzene	108		109		70-130	1		20
1,3-Dichlorobenzene	112		117		70-130	4		20
1,4-Dichlorobenzene	110		114		70-130	4		20
Methyl tert butyl ether	86		92		63-130	7		20
p/m-Xylene	119		126		70-130	6		20
o-Xylene	117		124		70-130	6		20
cis-1,2-Dichloroethene	105		110		70-130	5		20
Dibromomethane	94		97		70-130	3		20
1,2,3-Trichloropropane	92		95		64-130	3		20
Acrylonitrile	77		80		70-130	4		20
Styrene	116		123		70-130	6		20
Dichlorodifluoromethane	105		107		36-147	2		20
Acetone	74		69		58-148	7		20
Carbon disulfide	87		92		51-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG692393-1 WG692393-2								
2-Butanone	78		85		63-138	9		20
Vinyl acetate	96		98		70-130	2		20
4-Methyl-2-pentanone	78		76		59-130	3		20
2-Hexanone	76		77		57-130	1		20
Bromochloromethane	91		91		70-130	0		20
2,2-Dichloropropane	109		114		63-133	4		20
1,2-Dibromoethane	94		99		70-130	5		20
1,3-Dichloropropane	98		101		70-130	3		20
1,1,1,2-Tetrachloroethane	107		112		64-130	5		20
Bromobenzene	108		112		70-130	4		20
n-Butylbenzene	124		125		53-136	1		20
sec-Butylbenzene	120		125		70-130	4		20
tert-Butylbenzene	117		122		70-130	4		20
o-Chlorotoluene	120		122		70-130	2		20
p-Chlorotoluene	117		118		70-130	1		20
1,2-Dibromo-3-chloropropane	77		76		41-144	1		20
Hexachlorobutadiene	114		116		63-130	2		20
Isopropylbenzene	118		121		70-130	3		20
p-Isopropyltoluene	120		123		70-130	2		20
Naphthalene	75		77		70-130	3		20
n-Propylbenzene	119		122		69-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG692393-1 WG692393-2								
1,2,3-Trichlorobenzene	80		83		70-130	4		20
1,2,4-Trichlorobenzene	91		93		70-130	2		20
1,3,5-Trimethylbenzene	121		124		64-130	2		20
1,2,4-Trimethylbenzene	115		118		70-130	3		20
1,4-Dioxane	79		88		56-162	11		20
p-Diethylbenzene	122		124		70-130	2		20
p-Ethyltoluene	119		122		70-130	2		20
1,2,4,5-Tetramethylbenzene	107		104		70-130	3		20
Ethyl ether	91		97		59-134	6		20
trans-1,4-Dichloro-2-butene	82		83		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	103		105		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	102		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692809-1 WG692809-2								
Methylene chloride	101		102		70-130	1		30
1,1-Dichloroethane	101		103		70-130	2		30
Chloroform	98		102		70-130	4		30
Carbon tetrachloride	93		97		70-130	4		30
1,2-Dichloropropane	98		104		70-130	6		30
Dibromochloromethane	94		99		70-130	5		30
2-Chloroethylvinyl ether	96		105		70-130	9		30
1,1,2-Trichloroethane	111		116		70-130	4		30
Tetrachloroethene	114		120		70-130	5		30
Chlorobenzene	105		111		70-130	6		30
Trichlorofluoromethane	127		96		70-139	28		30
1,2-Dichloroethane	98		104		70-130	6		30
1,1,1-Trichloroethane	102		108		70-130	6		30
Bromodichloromethane	95		101		70-130	6		30
trans-1,3-Dichloropropene	100		105		70-130	5		30
cis-1,3-Dichloropropene	84		91		70-130	8		30
1,1-Dichloropropene	106		110		70-130	4		30
Bromoform	91		95		70-130	4		30
1,1,2,2-Tetrachloroethane	110		116		70-130	5		30
Benzene	98		103		70-130	5		30
Toluene	107		111		70-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692809-1 WG692809-2								
Ethylbenzene	111		117		70-130	5		30
Chloromethane	98		95		52-130	3		30
Bromomethane	95		98		57-147	3		30
Vinyl chloride	97		96		67-130	1		30
Chloroethane	134		123		50-151	9		30
1,1-Dichloroethene	103		104		65-135	1		30
trans-1,2-Dichloroethene	98		98		70-130	0		30
Trichloroethene	98		103		70-130	5		30
1,2-Dichlorobenzene	108		114		70-130	5		30
1,3-Dichlorobenzene	112		117		70-130	4		30
1,4-Dichlorobenzene	110		116		70-130	5		30
Methyl tert butyl ether	84		87		66-130	4		30
p/m-Xylene	110		117		70-130	6		30
o-Xylene	108		114		70-130	5		30
cis-1,2-Dichloroethene	96		99		70-130	3		30
Dibromomethane	96		101		70-130	5		30
Styrene	98		104		70-130	6		30
Dichlorodifluoromethane	91		86		30-146	6		30
Acetone	106		102		54-140	4		30
Carbon disulfide	93		91		59-130	2		30
2-Butanone	94		96		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692809-1 WG692809-2								
Vinyl acetate	93		97		70-130	4		30
4-Methyl-2-pentanone	80		87		70-130	8		30
1,2,3-Trichloropropane	116		121		68-130	4		30
2-Hexanone	94		97		70-130	3		30
Bromochloromethane	97		101		70-130	4		30
2,2-Dichloropropane	105		109		70-130	4		30
1,2-Dibromoethane	107		111		70-130	4		30
1,3-Dichloropropane	106		112		69-130	6		30
1,1,1,2-Tetrachloroethane	106		113		70-130	6		30
Bromobenzene	108		113		70-130	5		30
n-Butylbenzene	128		134	Q	70-130	5		30
sec-Butylbenzene	123		130		70-130	6		30
tert-Butylbenzene	118		124		70-130	5		30
o-Chlorotoluene	119		124		70-130	4		30
p-Chlorotoluene	117		122		70-130	4		30
1,2-Dibromo-3-chloropropane	88		93		68-130	6		30
Hexachlorobutadiene	116		122		67-130	5		30
Isopropylbenzene	116		122		70-130	5		30
p-Isopropyltoluene	109		115		70-130	5		30
Naphthalene	100		106		70-130	6		30
Acrylonitrile	92		96		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692809-1 WG692809-2								
Isopropyl Ether	98		102		66-130	4		30
tert-Butyl Alcohol	88		90		70-130	2		30
n-Propylbenzene	119		125		70-130	5		30
1,2,3-Trichlorobenzene	103		109		70-130	6		30
1,2,4-Trichlorobenzene	103		110		70-130	7		30
1,3,5-Trimethylbenzene	119		126		70-130	6		30
1,2,4-Trimethylbenzene	116		121		70-130	4		30
Methyl Acetate	98		98		51-146	0		30
Ethyl Acetate	94		96		70-130	2		30
Acrolein	112		109		70-130	3		30
Cyclohexane	107		112		59-142	5		30
1,4-Dioxane	92		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		109		50-139	1		30
1,4-Diethylbenzene	116		122		70-130	5		30
4-Ethyltoluene	117		124		70-130	6		30
1,2,4,5-Tetramethylbenzene	108		113		70-130	5		30
Tetrahydrofuran	92		86		66-130	7		30
Ethyl ether	84		85		67-130	1		30
trans-1,4-Dichloro-2-butene	106		109		70-130	3		30
Methyl cyclohexane	107		114		70-130	6		30
Ethyl-Tert-Butyl-Ether	93		98		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692809-1 WG692809-2								
Tertiary-Amyl Methyl Ether	90		96		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	110		108		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01
Client ID: A1 WEST-SW 7 FBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/01/14 19:40
Analyst: PS
Percent Solids: 87%

Date Collected: 05/20/14 15:52
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/24/14 13:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	260	J	ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	81.	2
2,6-Dinitrotoluene	ND		ug/kg	380	96.	2
Fluoranthene	3800		ug/kg	230	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	160	J	ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	2700		ug/kg	380	99.	2
Butyl benzyl phthalate	1800		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2
Benzo(a)anthracene	1700		ug/kg	230	74.	2

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01

Date Collected: 05/20/14 15:52

Client ID: A1 WEST-SW 7 FBG

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1500		ug/kg	300	92.	2
Benzo(b)fluoranthene	1800		ug/kg	230	76.	2
Benzo(k)fluoranthene	670		ug/kg	230	72.	2
Chrysene	1700		ug/kg	230	74.	2
Acenaphthylene	110	J	ug/kg	300	70.	2
Anthracene	700		ug/kg	230	63.	2
Benzo(ghi)perylene	1100		ug/kg	300	78.	2
Fluorene	260	J	ug/kg	380	110	2
Phenanthrene	3100		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	190	J	ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	1200		ug/kg	300	84.	2
Pyrene	3200		ug/kg	230	73.	2
Biphenyl	ND		ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	99.	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	180	J	ug/kg	380	120	2
2-Methylnaphthalene	ND		ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	980	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	310	J	ug/kg	380	81.	2

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01

Date Collected: 05/20/14 15:52

Client ID: A1 WEST-SW 7 FBG

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	73		0-136
4-Terphenyl-d14	82		18-120

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02
Client ID: FIELD BLANK 5-21-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/31/14 03:15
Analyst: PS

Date Collected: 05/21/14 14:14
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/24/14 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
n-Nitrosodimethylamine	ND		ug/l	2.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.40	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
2-Chloronaphthalene	ND		ug/l	2.0	0.46	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorobutadiene	ND		ug/l	2.0	0.42	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Hexachloroethane	ND		ug/l	2.0	0.30	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
Aniline	ND		ug/l	2.0	0.55	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02

Date Collected: 05/21/14 14:14

Client ID: FIELD BLANK 5-21-14

Date Received: 05/21/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
2-Methylnaphthalene	ND		ug/l	2.0	0.36	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
Pentachlorophenol	ND		ug/l	10	3.2	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	93		41-149

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02
Client ID: FIELD BLANK 5-21-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/27/14 11:59
Analyst: MW

Date Collected: 05/21/14 14:14
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/24/14 09:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	74		15-120
4-Terphenyl-d14	71		41-149

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/14 16:10
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 05/24/14 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692235-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
n-Nitrosodimethylamine	ND		ug/l	2.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/14 16:10
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 05/24/14 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692235-1					
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
Aniline	ND		ug/l	2.0	0.55
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/14 16:10
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 05/24/14 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692235-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	79		41-149

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 05/25/14 08:39
 Analyst: MW

Extraction Method: EPA 3510C
 Extraction Date: 05/24/14 09:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG692240-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8270D-SIM**Extraction Method:** EPA 3510C**Analytical Date:** 05/25/14 08:39**Extraction Date:** 05/24/14 09:13**Analyst:** MW

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG692240-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	65		41-149

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/29/14 23:04
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/24/14 13:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG692310-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/29/14 23:04
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/24/14 13:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG692310-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/29/14 23:04
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/24/14 13:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG692310-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	71		0-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG692235-2 WG692235-3								
Acenaphthene	76		68		37-111	11		30
1,2,4-Trichlorobenzene	63		57		39-98	10		30
Benzidine	14		23			49	Q	30
n-Nitrosodimethylamine	39		33			17		30
Hexachlorobenzene	94		81		40-140	15		30
Bis(2-chloroethyl)ether	62		56		40-140	10		30
2-Chloronaphthalene	74		67		40-140	10		30
1,2-Dichlorobenzene	62		55		40-140	12		30
1,3-Dichlorobenzene	59		54		40-140	9		30
1,4-Dichlorobenzene	60		54		36-97	11		30
3,3'-Dichlorobenzidine	78		66		40-140	17		30
2,4-Dinitrotoluene	94		82		24-96	14		30
2,6-Dinitrotoluene	91		79		40-140	14		30
Azobenzene	79		70		40-140	12		30
Fluoranthene	93		81		40-140	14		30
4-Chlorophenyl phenyl ether	84		74		40-140	13		30
4-Bromophenyl phenyl ether	90		78		40-140	14		30
Bis(2-chloroisopropyl)ether	59		54		40-140	9		30
Bis(2-chloroethoxy)methane	65		60		40-140	8		30
Hexachlorobutadiene	61		56		40-140	9		30
Hexachlorocyclopentadiene	54		49		40-140	10		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG692235-2 WG692235-3								
Hexachloroethane	56		51		40-140	9		30
Isophorone	67		61		40-140	9		30
Naphthalene	67		61		40-140	9		30
Nitrobenzene	64		58		40-140	10		30
NitrosoDiPhenylAmine(NDPA)/DPA	86		74		40-140	15		30
n-Nitrosodi-n-propylamine	65		58		29-132	11		30
Bis(2-ethylhexyl)phthalate	86		78		40-140	10		30
Butyl benzyl phthalate	91		79		40-140	14		30
Di-n-butylphthalate	90		79		40-140	13		30
Di-n-octylphthalate	90		78		40-140	14		30
Diethyl phthalate	86		75		40-140	14		30
Dimethyl phthalate	84		74		40-140	13		30
Benzo(a)anthracene	88		77		40-140	13		30
Benzo(a)pyrene	86		75		40-140	14		30
Benzo(b)fluoranthene	87		76		40-140	13		30
Benzo(k)fluoranthene	88		76		40-140	15		30
Chrysene	89		79		40-140	12		30
Acenaphthylene	81		73		45-123	10		30
Anthracene	90		80		40-140	12		30
Benzo(ghi)perylene	81		68		40-140	17		30
Fluorene	84		74		40-140	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG692235-2 WG692235-3								
Phenanthrene	89		78		40-140	13		30
Dibenzo(a,h)anthracene	83		72		40-140	14		30
Indeno(1,2,3-cd)pyrene	82		69		40-140	17		30
Pyrene	92		81		26-127	13		30
Biphenyl	70		64			9		30
Aniline	33	Q	29	Q	40-140	13		30
4-Chloroaniline	51		43		40-140	17		30
2-Nitroaniline	88		77		52-143	13		30
3-Nitroaniline	74		64		25-145	14		30
4-Nitroaniline	85		71		51-143	18		30
Dibenzofuran	81		72		40-140	12		30
2-Methylnaphthalene	70		64		40-140	9		30
1,2,4,5-Tetrachlorobenzene	64		58		2-134	10		30
Acetophenone	68		62		39-129	9		30
2,4,6-Trichlorophenol	84		75		30-130	11		30
P-Chloro-M-Cresol	80		71		23-97	12		30
2-Chlorophenol	65		58		27-123	11		30
2,4-Dichlorophenol	75		68		30-130	10		30
2,4-Dimethylphenol	74		67		30-130	10		30
2-Nitrophenol	69		64		30-130	8		30
4-Nitrophenol	50		40		10-80	22		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG692235-2 WG692235-3								
2,4-Dinitrophenol	49		34		20-130	36	Q	30
4,6-Dinitro-o-cresol	66		56		20-164	16		30
Pentachlorophenol	99		83		9-103	18		30
Phenol	32		27		12-110	17		30
2-Methylphenol	62		55		30-130	12		30
3-Methylphenol/4-Methylphenol	60		53		30-130	12		30
2,4,5-Trichlorophenol	86		76		30-130	12		30
Benzoic Acid	18		10			57	Q	30
Benzyl Alcohol	56		50			11		30
Carbazole	91		79		55-144	14		30
Pyridine	30		24		10-66	22		30
Benzaldehyde	60		53		40-140	12		30
Caprolactam	27		21		10-130	25		30
Atrazine	98		87		40-140	12		30
2,3,4,6-Tetrachlorophenol	92		79		54-145	15		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG692235-2 WG692235-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		37		21-120
Phenol-d6	30		26		10-120
Nitrobenzene-d5	63		57		23-120
2-Fluorobiphenyl	76		69		15-120
2,4,6-Tribromophenol	89		79		10-120
4-Terphenyl-d14	93		80		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG692240-2 WG692240-3								
Acenaphthene	63		62		37-111	2		40
2-Chloronaphthalene	64		63		40-140	2		40
Fluoranthene	76		70		40-140	8		40
Hexachlorobutadiene	58		58		40-140	0		40
Naphthalene	60		60		40-140	0		40
Benzo(a)anthracene	80		73		40-140	9		40
Benzo(a)pyrene	73		66		40-140	10		40
Benzo(b)fluoranthene	79		71		40-140	11		40
Benzo(k)fluoranthene	74		66		40-140	11		40
Chrysene	73		67		40-140	9		40
Acenaphthylene	67		67		40-140	0		40
Anthracene	72		67		40-140	7		40
Benzo(ghi)perylene	70		61		40-140	14		40
Fluorene	67		65		40-140	3		40
Phenanthrene	70		66		40-140	6		40
Dibenzo(a,h)anthracene	76		68		40-140	11		40
Indeno(1,2,3-cd)Pyrene	73		64		40-140	13		40
Pyrene	75		69		26-127	8		40
2-Methylnaphthalene	67		68		40-140	1		40
Pentachlorophenol	65		67		9-103	3		40
Hexachlorobenzene	70		66		40-140	6		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG692240-2 WG692240-3								
Hexachloroethane	65		65		40-140	0		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		43		21-120
Phenol-d6	31		31		10-120
Nitrobenzene-d5	67		66		23-120
2-Fluorobiphenyl	57		57		15-120
2,4,6-Tribromophenol	76		73		10-120
4-Terphenyl-d14	74		69		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692310-2 WG692310-3								
Acenaphthene	94		98		31-137	4		50
Benzidine	20		6	Q		111	Q	50
n-Nitrosodimethylamine	78		74			5		50
1,2,4-Trichlorobenzene	84		84		38-107	0		50
Hexachlorobenzene	117		119		40-140	2		50
Bis(2-chloroethyl)ether	84		79		40-140	6		50
2-Chloronaphthalene	76		93		40-140	20		50
1,2-Dichlorobenzene	78		81		40-140	4		50
1,3-Dichlorobenzene	80		80		40-140	0		50
1,4-Dichlorobenzene	80		81		28-104	1		50
3,3'-Dichlorobenzidine	98		92		40-140	6		50
2,4-Dinitrotoluene	117	Q	118	Q	28-89	1		50
2,6-Dinitrotoluene	91		110		40-140	19		50
Fluoranthene	114		118		40-140	3		50
4-Chlorophenyl phenyl ether	104		107		40-140	3		50
4-Bromophenyl phenyl ether	112		115		40-140	3		50
Azobenzene	90		92		40-140	2		50
Bis(2-chloroisopropyl)ether	72		79		40-140	9		50
Bis(2-chloroethoxy)methane	94		65		40-117	36		50
Hexachlorobutadiene	78		87		40-140	11		50
Hexachlorocyclopentadiene	54		63		40-140	15		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692310-2 WG692310-3								
Hexachloroethane	80		82		40-140	2		50
Isophorone	89		73		40-140	20		50
Naphthalene	85		86		40-140	1		50
Nitrobenzene	83		100		40-140	19		50
NitrosoDiPhenylAmine(NDPA)/DPA	108		109			1		50
n-Nitrosodi-n-propylamine	94		87		32-121	8		50
Bis(2-ethylhexyl)phthalate	121		112		40-140	8		50
Butyl benzyl phthalate	123		122		40-140	1		50
Di-n-butylphthalate	111		117		40-140	5		50
Di-n-octylphthalate	128		118		40-140	8		50
Diethyl phthalate	107		110		40-140	3		50
Dimethyl phthalate	110		114		40-140	4		50
Benzo(a)anthracene	105		111		40-140	6		50
Benzo(a)pyrene	108		110		40-140	2		50
Benzo(b)fluoranthene	105		107		40-140	2		50
Benzo(k)fluoranthene	100		110		40-140	10		50
Chrysene	104		109		40-140	5		50
Acenaphthylene	86		104		40-140	19		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	99		94		40-140	5		50
Fluorene	106		109		40-140	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692310-2 WG692310-3								
Phenanthrene	104		110		40-140	6		50
Dibenzo(a,h)anthracene	101		114		40-140	12		50
Indeno(1,2,3-cd)pyrene	100		115		40-140	14		50
Pyrene	112		114		35-142	2		50
Biphenyl	89		93			4		50
Aniline	65		48		40-140	30		50
4-Chloroaniline	86		70		40-140	21		50
2-Nitroaniline	90		110		47-134	20		50
3-Nitroaniline	104		108		26-129	4		50
4-Nitroaniline	106		104		41-125	2		50
Dibenzofuran	99		103		40-140	4		50
2-Methylnaphthalene	75		90		40-140	18		50
1,2,4,5-Tetrachlorobenzene	86		90		40-117	5		50
Acetophenone	95		89		14-144	7		50
2,4,6-Trichlorophenol	88		110		30-130	22		50
P-Chloro-M-Cresol	91		110	Q	26-103	19		50
2-Chlorophenol	101		93		25-102	8		50
2,4-Dichlorophenol	103		102		30-130	1		50
2,4-Dimethylphenol	93		67		30-130	33		50
2-Nitrophenol	92		75		30-130	20		50
4-Nitrophenol	110		109		11-114	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692310-2 WG692310-3								
2,4-Dinitrophenol	108		110		4-130	2		50
4,6-Dinitro-o-cresol	114		116		10-130	2		50
Pentachlorophenol	119	Q	124	Q	17-109	4		50
Phenol	96	Q	87		26-90	10		50
2-Methylphenol	91		91		30-130	0		50
3-Methylphenol/4-Methylphenol	109		101		30-130	8		50
2,4,5-Trichlorophenol	96		116		30-130	19		50
Benzoic Acid	91		80			13		50
Benzyl Alcohol	94		94		40-140	0		50
Carbazole	107		111		54-128	4		50
Benzaldehyde	75		74			1		50
Caprolactam	75		87			15		50
Atrazine	110		114			4		50
2,3,4,6-Tetrachlorophenol	108		111			3		50
Pyridine	59		54		10-93	9		50
Parathion, ethyl	122		124		40-140	2		50
1-Methylnaphthalene	72		88		26-130	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG692310-2 WG692310-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	99		89		25-120
Phenol-d6	101		88		10-120
Nitrobenzene-d5	92		82		23-120
2-Fluorobiphenyl	76		90		30-120
2,4,6-Tribromophenol	108		114		0-136
4-Terphenyl-d14	116		115		18-120

PCBS

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01
Client ID: A1 WEST-SW 7 FBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/25/14 02:37
Analyst: JW
Percent Solids: 87%

Date Collected: 05/20/14 15:52
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/24/14 02:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/24/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.91	1	A
Aroclor 1221	ND		ug/kg	36.8	3.40	1	A
Aroclor 1232	ND		ug/kg	36.8	4.32	1	A
Aroclor 1242	ND		ug/kg	36.8	4.51	1	A
Aroclor 1248	ND		ug/kg	36.8	3.11	1	A
Aroclor 1254	ND		ug/kg	36.8	3.03	1	A
Aroclor 1260	ND		ug/kg	36.8	2.81	1	A
Aroclor 1262	ND		ug/kg	36.8	1.83	1	A
Aroclor 1268	ND		ug/kg	36.8	5.34	1	A
PCBs, Total	ND		ug/kg	36.8	1.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02
Client ID: FIELD BLANK 5-21-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/26/14 00:55
Analyst: JW

Date Collected: 05/21/14 14:14
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/24/14 05:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/25/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	72		30-150	A

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/25/14 03:18
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 05/24/14 02:20
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/24/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG692199-1						
Aroclor 1016	ND		ug/kg	31.6	2.50	A
Aroclor 1221	ND		ug/kg	31.6	2.92	A
Aroclor 1232	ND		ug/kg	31.6	3.71	A
Aroclor 1242	ND		ug/kg	31.6	3.87	A
Aroclor 1248	ND		ug/kg	31.6	2.67	A
Aroclor 1254	ND		ug/kg	31.6	2.60	A
Aroclor 1260	ND		ug/kg	31.6	2.41	A
Aroclor 1262	ND		ug/kg	31.6	1.57	A
Aroclor 1268	ND		ug/kg	31.6	4.58	A
PCBs, Total	ND		ug/kg	31.6	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	84		30-150	A
Decachlorobiphenyl	88		30-150	B

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/26/14 02:34
 Analyst: JW

Extraction Method: EPA 3510C
 Extraction Date: 05/24/14 05:22
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/25/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG692215-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	80		30-150	A
Decachlorobiphenyl	66		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG692199-2 WG692199-3									
Aroclor 1016	74		65		40-140	13		50	A
Aroclor 1260	66		57		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		69		30-150	A
Decachlorobiphenyl	82		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		72		30-150	B
Decachlorobiphenyl	86		76		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG692215-2 WG692215-3									
Aroclor 1016	73		67		40-140	9		50	A
Aroclor 1260	70		71		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		60		30-150	B
Decachlorobiphenyl	70		69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		51		30-150	A
Decachlorobiphenyl	84		84		30-150	A

PESTICIDES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-01
Client ID: A1 WEST-SW 7 FBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/02/14 15:17
Analyst: SH
Percent Solids: 87%

Date Collected: 05/20/14 15:52
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/24/14 06:53
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/26/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.740	0.331	1	A
Alpha-BHC	ND		ug/kg	0.740	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.888	0.398	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.33	1.00	1	A
Endrin	ND		ug/kg	0.740	0.304	1	A
Dieldrin	ND		ug/kg	1.11	0.555	1	A
4,4'-DDE	11.2		ug/kg	1.78	0.411	1	B
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	66.1		ug/kg	3.33	1.43	1	B
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.740	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
cis-Chlordane	17.5	PI	ug/kg	2.22	0.619	1	B
trans-Chlordane	17.2	PI	ug/kg	2.22	0.586	1	A
Chlordane	ND		ug/kg	14.4	5.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	146		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	131		30-150	B

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02
Client ID: FIELD BLANK 5-21-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/30/14 00:24
Analyst: SS

Date Collected: 05/21/14 14:14
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/24/14 15:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/26/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**SAMPLE RESULTS**

Lab ID: L1410975-02 RE
Client ID: FIELD BLANK 5-21-14
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/31/14 03:52
Analyst: SS

Date Collected: 05/21/14 14:14
Date Received: 05/21/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/30/14 10:08
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/30/14 16:49
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 05/24/14 06:52
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/26/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG692220-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.302	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	111		30-150	B
Decachlorobiphenyl	83		30-150	A

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/31/14 02:16
 Analyst: SS

Extraction Method: EPA 3510C
 Extraction Date: 05/30/14 10:08
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG693679-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	93		30-150	B
Decachlorobiphenyl	48		30-150	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG692220-2 WG692220-3									
Delta-BHC	88		101		30-150	14		30	A
Lindane	89		102		30-150	14		30	A
Alpha-BHC	92		103		30-150	11		30	A
Beta-BHC	85		95		30-150	11		30	A
Heptachlor	92		105		30-150	13		30	A
Aldrin	96		112		30-150	15		30	A
Heptachlor epoxide	95		108		30-150	13		30	A
Endrin	113		130		30-150	14		30	A
Endrin ketone	101		114		30-150	12		30	A
Dieldrin	102		120		30-150	16		30	A
4,4'-DDE	101		118		30-150	16		30	A
4,4'-DDD	93		109		30-150	16		30	A
4,4'-DDT	104		120		30-150	14		30	A
Endosulfan I	96		112		30-150	15		30	A
Endosulfan II	94		113		30-150	18		30	A
Endosulfan sulfate	100		119		30-150	17		30	A
Methoxychlor	89		102		30-150	14		30	A
cis-Chlordane	94		110		30-150	16		30	A
trans-Chlordane	94		109		30-150	15		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG692220-2 WG692220-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		95		30-150	A
Decachlorobiphenyl	64		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		75		30-150	B
Decachlorobiphenyl	101		113		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG693679-2 WG693679-3									
Delta-BHC	78		94		30-150	19		20	A
Lindane	81		98		30-150	19		20	A
Alpha-BHC	82		101		30-150	21	Q	20	A
Beta-BHC	74		92		30-150	22	Q	20	A
Heptachlor	78		97		30-150	22	Q	20	A
Aldrin	82		100		30-150	20		20	A
Heptachlor epoxide	84		100		30-150	17		20	A
Endrin	89		118		30-150	28	Q	20	A
Endrin ketone	78		94		30-150	19		20	A
Dieldrin	88		106		30-150	18		20	A
4,4'-DDE	91		108		30-150	17		20	A
4,4'-DDD	80		96		30-150	18		20	A
4,4'-DDT	85		104		30-150	20		20	A
Endosulfan I	83		98		30-150	17		20	A
Endosulfan II	80		97		30-150	19		20	A
Endosulfan sulfate	76		98		30-150	26	Q	20	A
Methoxychlor	66		81		30-150	21	Q	20	A
cis-Chlordane	82		99		30-150	19		20	A
trans-Chlordane	82		97		30-150	16		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG693679-2 WG693679-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		86		30-150	A
Decachlorobiphenyl	36		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		74		30-150	B
Decachlorobiphenyl	74		92		30-150	B

METALS

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

SAMPLE RESULTS

Lab ID: L1410975-01
 Client ID: A1 WEST-SW 7 FBG
 Sample Location: 520 W. 28TH ST., NYC
 Matrix: Soil
 Percent Solids: 87%

Date Collected: 05/20/14 15:52
 Date Received: 05/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8100		mg/kg	8.7	1.7	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Antimony, Total	2.4	J	mg/kg	4.4	0.70	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Arsenic, Total	8.6		mg/kg	0.87	0.17	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.87	0.26	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Beryllium, Total	0.39	J	mg/kg	0.44	0.09	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.87	0.06	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Calcium, Total	12000		mg/kg	8.7	2.6	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Chromium, Total	29		mg/kg	0.87	0.17	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Cobalt, Total	10		mg/kg	1.7	0.44	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Copper, Total	34		mg/kg	0.87	0.17	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.7	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Lead, Total	130		mg/kg	4.4	0.17	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Magnesium, Total	4000		mg/kg	8.7	0.87	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Manganese, Total	300		mg/kg	0.87	0.17	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Mercury, Total	0.38		mg/kg	0.08	0.02	1	05/28/14 07:38	05/28/14 15:29	EPA 7471B	1,7471B	MC
Nickel, Total	93		mg/kg	2.2	0.35	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Potassium, Total	1200		mg/kg	220	35.	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Silver, Total	0.33	J	mg/kg	0.87	0.17	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Sodium, Total	480		mg/kg	170	26.	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.87	0.09	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG
Zinc, Total	98		mg/kg	4.4	0.61	2	05/29/14 09:23	05/29/14 11:39	EPA 3050B	1,6010C	MG



Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

SAMPLE RESULTS

Lab ID: L1410975-02
 Client ID: FIELD BLANK 5-21-14
 Sample Location: 520 W. 28TH ST., NYC
 Matrix: Water

Date Collected: 05/21/14 14:14
 Date Received: 05/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00200	J	mg/l	0.0100	0.00200	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Antimony, Total	0.00070	J	mg/l	0.00100	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00011	J	mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Chromium, Total	0.00051	J	mg/l	0.00100	0.00020	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Copper, Total	0.00115	J	mg/l	0.00200	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/22/14 10:47	05/22/14 15:06	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL
Zinc, Total	0.00462	J	mg/l	0.01000	0.00120	1	05/22/14 19:46	05/27/14 13:08	EPA 3005A	1,6020A	KL



Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02 Batch: WG691623-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/22/14 10:47	05/22/14 14:29	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02 Batch: WG691808-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Antimony, Total	0.00061	J	mg/l	0.00100	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Arsenic, Total	0.00013	J	mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Chromium, Total	0.00053	J	mg/l	0.00100	0.00020	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Copper, Total	0.00108	J	mg/l	0.00200	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Iron, Total	0.0403	J	mg/l	0.0500	0.0130	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Sodium, Total	0.0233	J	mg/l	0.100	0.0150	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL
Zinc, Total	0.00434	J	mg/l	0.01000	0.00120	1	05/22/14 19:46	05/27/14 13:00	1,6020A	KL

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG692743-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/28/14 07:38	05/28/14 14:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG693291-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Silver, Total	0.16	J	mg/kg	0.40	0.08	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14

Method Blank Analysis Batch Quality Control

Zinc, Total	ND	mg/kg	2.0	0.28	1	05/29/14 09:23	05/29/14 11:16	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1410975**Report Date:** 06/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG691623-2								
Mercury, Total	102		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG691808-2					
Aluminum, Total	102	-	80-120	-	
Antimony, Total	89	-	80-120	-	
Arsenic, Total	107	-	80-120	-	
Barium, Total	105	-	80-120	-	
Beryllium, Total	96	-	80-120	-	
Cadmium, Total	118	-	80-120	-	
Calcium, Total	113	-	80-120	-	
Chromium, Total	108	-	80-120	-	
Cobalt, Total	110	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	109	-	80-120	-	
Lead, Total	108	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	108	-	80-120	-	
Nickel, Total	107	-	80-120	-	
Potassium, Total	120	-	80-120	-	
Selenium, Total	124	Q	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	118	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	112	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG691808-2					
Zinc, Total	113	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG692743-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG693291-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	78	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	89	-	82-117	-	
Calcium, Total	104	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	92	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	86	-	51-150	-	
Lead, Total	88	-	80-120	-	
Magnesium, Total	83	-	74-126	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	88	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	95	-	80-120	-	
Silver, Total	100	-	66-134	-	
Sodium, Total	100	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1410975**Report Date:** 06/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG693291-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Lab Number: L1410975

Project Number: E040

Report Date: 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG691623-3 WG691623-4 QC Sample: L1410884-10 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00518	104		0.00522	104		75-125	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG691808-3 WG691808-4 QC Sample: L1410884-10 Client ID: MS Sample									
Aluminum, Total	0.0121	2	1.91	95	1.89	94	75-125	1	20
Antimony, Total	0.00982	0.5	0.5374	106	0.5400	106	75-125	0	20
Arsenic, Total	0.00088	0.12	0.1327	110	0.1266	105	75-125	5	20
Barium, Total	0.3112	2	2.338	101	2.314	100	75-125	1	20
Beryllium, Total	ND	0.05	0.04696	94	0.04486	90	75-125	5	20
Cadmium, Total	0.00015J	0.051	0.06376	125	0.05646	111	75-125	12	20
Calcium, Total	142.	10	149	70	Q 147	50	Q 75-125	1	20
Chromium, Total	0.00087J	0.2	0.1979	99	0.2080	104	75-125	5	20
Cobalt, Total	0.00167	0.5	0.5086	101	0.5152	103	75-125	1	20
Copper, Total	0.00024J	0.25	0.2114	84	0.2162	86	75-125	2	20
Iron, Total	8.19	1	8.74	55	Q 9.02	83	75-125	3	20
Lead, Total	0.00025J	0.51	0.5348	105	0.5258	103	75-125	2	20
Magnesium, Total	33.5	10	21.9	0	Q 22.1	0	Q 75-125	1	20
Manganese, Total	1.750	0.5	2.166	83	2.204	91	75-125	2	20
Nickel, Total	0.00406	0.5	0.4998	99	0.5210	103	75-125	4	20
Potassium, Total	12.8	10	26.3	135	Q 25.8	130	Q 75-125	2	20
Selenium, Total	ND	0.12	0.138	115	0.140	117	75-125	1	20
Silver, Total	ND	0.05	0.05000	100	0.04800	96	75-125	4	20
Sodium, Total	122.	10	122	0	Q 120	0	Q 75-125	2	20
Thallium, Total	ND	0.12	0.1210	101	0.1189	99	75-125	2	20
Vanadium, Total	0.00029J	0.5	0.5104	102	0.5364	107	75-125	5	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG691808-3 WG691808-4 QC Sample: L1410884-10 Client ID: MS Sample									
Zinc, Total	0.04003	0.5	0.5554	103	0.5600	104	75-125	1	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG692743-4 QC Sample: L1410970-02 Client ID: MS Sample									
Mercury, Total	0.023	0.142	0.20	140	Q	-	80-120	-	35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693291-4 QC Sample: L1411478-02 Client ID: MS Sample										
Aluminum, Total	12000	182	10000	0	Q	-	-	75-125	-	20
Antimony, Total	ND	45.5	37	81		-	-	75-125	-	20
Arsenic, Total	7.8	10.9	17	84		-	-	75-125	-	20
Barium, Total	110	182	240	71	Q	-	-	75-125	-	20
Beryllium, Total	0.59	4.55	4.4	84		-	-	75-125	-	20
Cadmium, Total	ND	4.64	4.1	88		-	-	75-125	-	20
Calcium, Total	59000	910	53000	0	Q	-	-	75-125	-	20
Chromium, Total	16.	18.2	29	71	Q	-	-	75-125	-	20
Cobalt, Total	6.4	45.5	43	80		-	-	75-125	-	20
Copper, Total	16.	22.8	39	101		-	-	75-125	-	20
Iron, Total	18000	91	16000	0	Q	-	-	75-125	-	20
Lead, Total	13.	46.4	55	90		-	-	75-125	-	20
Magnesium, Total	9000	910	11000	220	Q	-	-	75-125	-	20
Manganese, Total	580	45.5	580	0	Q	-	-	75-125	-	20
Nickel, Total	14.	45.5	48	75		-	-	75-125	-	20
Potassium, Total	2300	910	2600	33	Q	-	-	75-125	-	20
Selenium, Total	0.51J	10.9	9.6	88		-	-	75-125	-	20
Silver, Total	0.24J	27.3	25	92		-	-	75-125	-	20
Sodium, Total	800	910	1500	77		-	-	75-125	-	20
Thallium, Total	ND	10.9	8.5	78		-	-	75-125	-	20
Vanadium, Total	23.	45.5	59	79		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1410975**Report Date:** 06/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693291-4 QC Sample: L1411478-02 Client ID: MS Sample									
Zinc, Total	64.	45.5	120	123	-	-	75-125	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG692743-3 QC Sample: L1410970-02 Client ID: DUP Sample						
Mercury, Total	0.02J	0.03J	mg/kg	NC		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693291-3 QC Sample: L1411478-02 Client ID: DUP Sample					
Aluminum, Total	12000	9800	mg/kg	20	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	7.8	7.1	mg/kg	9	20
Barium, Total	110	85	mg/kg	26	Q 20
Beryllium, Total	0.59	0.46	mg/kg	25	Q 20
Cadmium, Total	ND	0.17J	mg/kg	NC	20
Calcium, Total	59000	48000	mg/kg	21	Q 20
Chromium, Total	16.	14	mg/kg	13	20
Cobalt, Total	6.4	6.3	mg/kg	2	20
Copper, Total	16.	18	mg/kg	12	20
Iron, Total	18000	16000	mg/kg	12	20
Lead, Total	13.	20	mg/kg	42	Q 20
Magnesium, Total	9000	9000	mg/kg	0	20
Manganese, Total	580	490	mg/kg	17	20
Nickel, Total	14.	12	mg/kg	15	20
Potassium, Total	2300	1800	mg/kg	24	Q 20
Selenium, Total	0.51J	ND	mg/kg	NC	20
Silver, Total	0.24J	ND	mg/kg	NC	20
Sodium, Total	800	640	mg/kg	22	Q 20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG693291-3 QC Sample: L1411478-02 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	23.	19	mg/kg	19	20
Zinc, Total	64.	90	mg/kg	34 Q	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410975
Report Date: 06/03/14

SAMPLE RESULTS

Lab ID: L1410975-01
Client ID: A1 WEST-SW 7 FBG
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil

Date Collected: 05/20/14 15:52
Date Received: 05/21/14
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	86.8		%	0.100	NA	1	-	05/23/14 00:38	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1410975**Report Date:** 06/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG691857-1 QC Sample: L1410925-01 Client ID: DUP Sample						
Solids, Total	91.9	89.9	%	2		20

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/22/2014 08:43

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410975-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410975-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410975-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410975-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1410975-01E	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1410975-01F	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1410975-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410975-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410975-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410975-02A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410975-02B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410975-02C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410975

Report Date: 06/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410975-02D	Plastic 500ml HNO3 preserved	A	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1410975-02E	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1410975-02F	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1410975-02G	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1410975-02H	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1410975-02I	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1410975-02J	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1410975-03A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410975-03B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH ST.**Lab Number:** L1410975**Project Number:** E040**Report Date:** 06/03/14**Data Qualifiers**

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410975
Report Date: 06/03/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1410708
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W 28TH ST
Project Number:	E040
Report Date:	05/27/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 W 28TH ST
Project Number: E040

Lab Number: L1410708
Report Date: 05/27/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1410708-01	A1-SW 5 FBG	520 W 28TH ST, NYC	05/19/14 14:09
L1410708-02	TRIP BLANK 5-19-14	520 W 28TH ST, NYC	05/19/14 00:00

Project Name: 520 W 28TH ST
Project Number: E040

Lab Number: L1410708
Report Date: 05/27/14

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: 520 W 28TH ST
Project Number: E040

Lab Number: L1410708
Report Date: 05/27/14

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.

Metals

L1410708-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

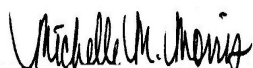
The WG692002-4 MS recoveries for aluminum (574%), iron (1150%), and manganese (138%), performed on L1410708-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG692002-4 MS recoveries, performed on L1410708-01, are outside the acceptance criteria for lead (130%) and magnesium (126%). A post digestion spike was performed and yielded an unacceptable recovery for magnesium (79%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG692002-3 Laboratory Duplicate RPDs, performed on L1410708-01, are outside the acceptance criteria for lead (22%) and nickel (27%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 05/27/14

ORGANICS

VOLATILES

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
Client ID: A1-SW 5 FBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/14 11:05
Analyst: BN
Percent Solids: 89%

Date Collected: 05/19/14 14:09
Date Received: 05/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.29	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
 Client ID: A1-SW 5 FBG
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/19/14 14:09
 Date Received: 05/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
Xylene (Total)	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.16	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	1.2	J	ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
 Client ID: A1-SW 5 FBG
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/19/14 14:09
 Date Received: 05/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.16	1
4-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	0.65	J	ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-02
Client ID: TRIP BLANK 5-19-14
Sample Location: 520 W 28TH ST, NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/24/14 11:33
Analyst: PD

Date Collected: 05/19/14 00:00
Date Received: 05/19/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-02
 Client ID: TRIP BLANK 5-19-14
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/19/14 00:00
 Date Received: 05/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-02
 Client ID: TRIP BLANK 5-19-14
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/19/14 00:00
 Date Received: 05/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/24/14 10:59
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692282-3					
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
1,3-Dichloropropene, Total	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

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/24/14 10:59
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692282-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/24/14 10:59
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG692282-3					
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
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/25/14 10:40
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692689-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
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	0.29	J	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

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/25/14 10:40
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692689-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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
Xylene (Total)	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichloroethene (total)	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

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/25/14 10:40
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692689-3					
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
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

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/25/14 10:40

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG692689-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	88		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

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: WG692282-1 WG692282-2								
Methylene chloride	93		91		70-130	2		20
1,1-Dichloroethane	98		96		70-130	2		20
Chloroform	97		93		70-130	4		20
Carbon tetrachloride	95		90		63-132	5		20
1,2-Dichloropropane	93		95		70-130	2		20
Dibromochloromethane	85		84		63-130	1		20
1,1,2-Trichloroethane	91		92		70-130	1		20
Tetrachloroethene	101		99		70-130	2		20
Chlorobenzene	102		101		75-130	1		20
Trichlorofluoromethane	87		83		62-150	5		20
1,2-Dichloroethane	92		92		70-130	0		20
1,1,1-Trichloroethane	93		92		67-130	1		20
Bromodichloromethane	94		90		67-130	4		20
trans-1,3-Dichloropropene	91		90		70-130	1		20
cis-1,3-Dichloropropene	88		87		70-130	1		20
1,1-Dichloropropene	99		95		70-130	4		20
Bromoform	80		81		54-136	1		20
1,1,2,2-Tetrachloroethane	88		90		67-130	2		20
Benzene	99		97		70-130	2		20
Toluene	102		101		70-130	1		20
Ethylbenzene	106		104		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

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: WG692282-1 WG692282-2								
Chloromethane	96		89		64-130	8		20
Bromomethane	79		78		39-139	1		20
Vinyl chloride	109		99		55-140	10		20
Chloroethane	94		92		55-138	2		20
1,1-Dichloroethene	90		87		61-145	3		20
trans-1,2-Dichloroethene	95		93		70-130	2		20
Trichloroethene	95		93		70-130	2		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	103		102		70-130	1		20
1,4-Dichlorobenzene	103		101		70-130	2		20
Methyl tert butyl ether	83		84		63-130	1		20
p/m-Xylene	111		106		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	98		94		70-130	4		20
Dibromomethane	88		87		70-130	1		20
1,2,3-Trichloropropane	88		92		64-130	4		20
Acrylonitrile	75		74		70-130	1		20
Styrene	111		107		70-130	4		20
Dichlorodifluoromethane	91		84		36-147	8		20
Acetone	61		59		58-148	3		20
Carbon disulfide	80		77		51-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

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: WG692282-1 WG692282-2								
2-Butanone	71		70		63-138	1		20
Vinyl acetate	91		89		70-130	2		20
4-Methyl-2-pentanone	72		72		59-130	0		20
2-Hexanone	68		70		57-130	3		20
Bromochloromethane	81		81		70-130	0		20
2,2-Dichloropropane	100		94		63-133	6		20
1,2-Dibromoethane	88		88		70-130	0		20
1,3-Dichloropropane	92		92		70-130	0		20
1,1,1,2-Tetrachloroethane	98		99		64-130	1		20
Bromobenzene	100		99		70-130	1		20
n-Butylbenzene	110		107		53-136	3		20
sec-Butylbenzene	108		106		70-130	2		20
tert-Butylbenzene	106		103		70-130	3		20
o-Chlorotoluene	110		108		70-130	2		20
p-Chlorotoluene	107		106		70-130	1		20
1,2-Dibromo-3-chloropropane	72		71		41-144	1		20
Hexachlorobutadiene	100		96		63-130	4		20
Isopropylbenzene	107		106		70-130	1		20
p-Isopropyltoluene	108		105		70-130	3		20
Naphthalene	66	Q	68	Q	70-130	3		20
n-Propylbenzene	108		106		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

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: WG692282-1 WG692282-2								
1,2,3-Trichlorobenzene	71		72		70-130	1		20
1,2,4-Trichlorobenzene	84		82		70-130	2		20
1,3,5-Trimethylbenzene	110		109		64-130	1		20
1,2,4-Trimethylbenzene	106		104		70-130	2		20
1,4-Dioxane	84		78		56-162	7		20
p-Diethylbenzene	110		106		70-130	4		20
p-Ethyltoluene	108		107		70-130	1		20
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		20
Ethyl ether	90		87		59-134	3		20
trans-1,4-Dichloro-2-butene	82		79		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		95		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692689-1 WG692689-2								
Methylene chloride	90		85		70-130	6		30
1,1-Dichloroethane	92		87		70-130	6		30
Chloroform	94		90		70-130	4		30
Carbon tetrachloride	102		94		70-130	8		30
1,2-Dichloropropane	92		89		70-130	3		30
Dibromochloromethane	89		90		70-130	1		30
2-Chloroethylvinyl ether	78		79		70-130	1		30
1,1,2-Trichloroethane	90		89		70-130	1		30
Tetrachloroethene	100		95		70-130	5		30
Chlorobenzene	95		90		70-130	5		30
Trichlorofluoromethane	98		89		70-139	10		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	99		92		70-130	7		30
Bromodichloromethane	91		90		70-130	1		30
trans-1,3-Dichloropropene	87		86		70-130	1		30
cis-1,3-Dichloropropene	98		96		70-130	2		30
1,1-Dichloropropene	101		93		70-130	8		30
Bromoform	91		91		70-130	0		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	97		91		70-130	6		30
Toluene	93		87		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692689-1 WG692689-2								
Ethylbenzene	98		94		70-130	4		30
Chloromethane	78		72		52-130	8		30
Bromomethane	86		85		57-147	1		30
Vinyl chloride	88		78		67-130	12		30
Chloroethane	93		88		50-151	6		30
1,1-Dichloroethene	98		89		65-135	10		30
trans-1,2-Dichloroethene	99		91		70-130	8		30
Trichloroethene	98		93		70-130	5		30
1,2-Dichlorobenzene	93		90		70-130	3		30
1,3-Dichlorobenzene	96		91		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	93		92		66-130	1		30
p/m-Xylene	103		98		70-130	5		30
o-Xylene	103		99		70-130	4		30
cis-1,2-Dichloroethene	99		93		70-130	6		30
Dibromomethane	91		91		70-130	0		30
Styrene	102		99		70-130	3		30
Dichlorodifluoromethane	74		67		30-146	10		30
Acetone	71		68		54-140	4		30
Carbon disulfide	87		80		59-130	8		30
2-Butanone	80		84		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692689-1 WG692689-2								
Vinyl acetate	89		89		70-130	0		30
4-Methyl-2-pentanone	81		84		70-130	4		30
1,2,3-Trichloropropane	85		86		68-130	1		30
2-Hexanone	75		78		70-130	4		30
Bromochloromethane	98		96		70-130	2		30
2,2-Dichloropropane	102		95		70-130	7		30
1,2-Dibromoethane	91		91		70-130	0		30
1,3-Dichloropropane	90		89		69-130	1		30
1,1,1,2-Tetrachloroethane	94		92		70-130	2		30
Bromobenzene	94		90		70-130	4		30
n-Butylbenzene	100		93		70-130	7		30
sec-Butylbenzene	101		95		70-130	6		30
tert-Butylbenzene	102		95		70-130	7		30
o-Chlorotoluene	95		90		70-130	5		30
p-Chlorotoluene	95		91		70-130	4		30
1,2-Dibromo-3-chloropropane	69		72		68-130	4		30
Hexachlorobutadiene	100		94		67-130	6		30
Isopropylbenzene	104		99		70-130	5		30
p-Isopropyltoluene	103		97		70-130	6		30
Naphthalene	89		89		70-130	0		30
Acrylonitrile	83		85		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692689-1 WG692689-2								
Isopropyl Ether	90		86		66-130	5		30
tert-Butyl Alcohol	82		85		70-130	4		30
n-Propylbenzene	99		92		70-130	7		30
1,2,3-Trichlorobenzene	96		93		70-130	3		30
1,2,4-Trichlorobenzene	99		95		70-130	4		30
1,3,5-Trimethylbenzene	100		93		70-130	7		30
1,2,4-Trimethylbenzene	100		94		70-130	6		30
Methyl Acetate	80		80		51-146	0		30
Ethyl Acetate	80		84		70-130	5		30
Acrolein	84		78		70-130	7		30
Cyclohexane	104		96		59-142	8		30
1,4-Dioxane	85		90		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		94		50-139	8		30
1,4-Diethylbenzene	107		103		70-130	4		30
4-Ethyltoluene	105		101		70-130	4		30
1,2,4,5-Tetramethylbenzene	96		94		70-130	2		30
Tetrahydrofuran	84		83		66-130	1		30
Ethyl ether	90		87		67-130	3		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	109		102		70-130	7		30
Ethyl-Tert-Butyl-Ether	95		93		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG692689-1 WG692689-2								
Tertiary-Amyl Methyl Ether	97		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	96		98		70-130

SEMIVOLATILES

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
Client ID: A1-SW 5 FBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/22/14 14:06
Analyst: RC
Percent Solids: 89%

Date Collected: 05/19/14 14:09
Date Received: 05/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/20/14 18:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
 Client ID: A1-SW 5 FBG
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/19/14 14:09
 Date Received: 05/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
 Client ID: A1-SW 5 FBG
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/19/14 14:09
 Date Received: 05/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	82		0-136
4-Terphenyl-d14	99		18-120

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/22/14 12:43
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/20/14 18:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG691129-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/22/14 12:43
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/20/14 18:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG691129-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/22/14 12:43
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/20/14 18:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG691129-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	95		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG691129-2 WG691129-3								
Acenaphthene	87		88		31-137	1		50
1,2,4-Trichlorobenzene	82		80		38-107	2		50
Hexachlorobenzene	94		98		40-140	4		50
Bis(2-chloroethyl)ether	78		76		40-140	3		50
2-Chloronaphthalene	84		84		40-140	0		50
1,2-Dichlorobenzene	80		78		40-140	3		50
1,3-Dichlorobenzene	79		76		40-140	4		50
1,4-Dichlorobenzene	80		76		28-104	5		50
3,3'-Dichlorobenzidine	65		76		40-140	16		50
2,4-Dinitrotoluene	90	Q	97	Q	28-89	7		50
2,6-Dinitrotoluene	89		92		40-140	3		50
Fluoranthene	92		94		40-140	2		50
4-Chlorophenyl phenyl ether	89		92		40-140	3		50
4-Bromophenyl phenyl ether	92		96		40-140	4		50
Bis(2-chloroisopropyl)ether	75		73		40-140	3		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	86		83		40-140	4		50
Hexachlorocyclopentadiene	93		93		40-140	0		50
Hexachloroethane	78		74		40-140	5		50
Isophorone	77		77		40-140	0		50
Naphthalene	84		82		40-140	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG691129-2 WG691129-3								
Nitrobenzene	80		80		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	90		93			3		50
n-Nitrosodi-n-propylamine	76		75		32-121	1		50
Bis(2-ethylhexyl)phthalate	94		96		40-140	2		50
Butyl benzyl phthalate	86		89		40-140	3		50
Di-n-butylphthalate	93		95		40-140	2		50
Di-n-octylphthalate	93		95		40-140	2		50
Diethyl phthalate	88		93		40-140	6		50
Dimethyl phthalate	90		94		40-140	4		50
Benzo(a)anthracene	90		92		40-140	2		50
Benzo(a)pyrene	95		97		40-140	2		50
Benzo(b)fluoranthene	89		91		40-140	2		50
Benzo(k)fluoranthene	99		100		40-140	1		50
Chrysene	95		96		40-140	1		50
Acenaphthylene	88		88		40-140	0		50
Anthracene	94		98		40-140	4		50
Benzo(ghi)perylene	92		98		40-140	6		50
Fluorene	90		93		40-140	3		50
Phenanthrene	93		97		40-140	4		50
Dibenzo(a,h)anthracene	91		97		40-140	6		50
Indeno(1,2,3-cd)pyrene	88		93		40-140	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG691129-2 WG691129-3								
Pyrene	90		92		35-142	2		50
Biphenyl	86		88			2		50
4-Chloroaniline	63		67		40-140	6		50
2-Nitroaniline	88		89		47-134	1		50
3-Nitroaniline	42		54		26-129	25		50
4-Nitroaniline	77		84		41-125	9		50
Dibenzofuran	88		90		40-140	2		50
2-Methylnaphthalene	83		82		40-140	1		50
1,2,4,5-Tetrachlorobenzene	85		86		40-117	1		50
Acetophenone	86		84		14-144	2		50
2,4,6-Trichlorophenol	92		90		30-130	2		50
P-Chloro-M-Cresol	89		90		26-103	1		50
2-Chlorophenol	82		81		25-102	1		50
2,4-Dichlorophenol	88		87		30-130	1		50
2,4-Dimethylphenol	88		87		30-130	1		50
2-Nitrophenol	82		80		30-130	2		50
4-Nitrophenol	91		95		11-114	4		50
2,4-Dinitrophenol	77		84		4-130	9		50
4,6-Dinitro-o-cresol	89		94		10-130	5		50
Pentachlorophenol	103		106		17-109	3		50
Phenol	84		82		26-90	2		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG691129-2 WG691129-3								
2-Methylphenol	84		82		30-130.	2		50
3-Methylphenol/4-Methylphenol	87		86		30-130	1		50
2,4,5-Trichlorophenol	93		94		30-130	1		50
Benzoic Acid	33		36			9		50
Benzyl Alcohol	78		79		40-140	1		50
Carbazole	91		94		54-128	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	90		88		25-120
Phenol-d6	86		85		10-120
Nitrobenzene-d5	83		82		23-120
2-Fluorobiphenyl	92		92		30-120
2,4,6-Tribromophenol	105		110		0-136
4-Terphenyl-d14	100		103		18-120

PCBS

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
Client ID: A1-SW 5 FBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/24/14 17:49
Analyst: JW
Percent Solids: 89%

Date Collected: 05/19/14 14:09
Date Received: 05/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/14 10:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/24/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	2.83	1	A
Aroclor 1221	ND		ug/kg	35.9	3.31	1	A
Aroclor 1232	ND		ug/kg	35.9	4.20	1	A
Aroclor 1242	ND		ug/kg	35.9	4.39	1	A
Aroclor 1248	ND		ug/kg	35.9	3.03	1	A
Aroclor 1254	ND		ug/kg	35.9	2.95	1	A
Aroclor 1260	ND		ug/kg	35.9	2.73	1	A
Aroclor 1262	ND		ug/kg	35.9	1.78	1	A
Aroclor 1268	ND		ug/kg	35.9	5.20	1	A
PCBs, Total	ND		ug/kg	35.9	1.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/24/14 18:02
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 05/23/14 10:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/24/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG691988-1						
Aroclor 1016	ND		ug/kg	32.6	2.57	A
Aroclor 1221	ND		ug/kg	32.6	3.00	A
Aroclor 1232	ND		ug/kg	32.6	3.82	A
Aroclor 1242	ND		ug/kg	32.6	3.98	A
Aroclor 1248	ND		ug/kg	32.6	2.75	A
Aroclor 1254	ND		ug/kg	32.6	2.68	A
Aroclor 1260	ND		ug/kg	32.6	2.48	A
Aroclor 1262	ND		ug/kg	32.6	1.61	A
Aroclor 1268	ND		ug/kg	32.6	4.72	A
PCBs, Total	ND		ug/kg	32.6	1.61	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	77		30-150	A
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG691988-2 WG691988-3									
Aroclor 1016	73		78		40-140	7		50	A
Aroclor 1260	65		68		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		89		30-150	A
Decachlorobiphenyl	76		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		92		30-150	B
Decachlorobiphenyl	90		94		30-150	B

PESTICIDES

Project Name: 520 W 28TH ST**Lab Number:** L1410708**Project Number:** E040**Report Date:** 05/27/14**SAMPLE RESULTS**

Lab ID: L1410708-01
Client ID: A1-SW 5 FBG
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/25/14 18:30
Analyst: GP
Percent Solids: 89%

Date Collected: 05/19/14 14:09
Date Received: 05/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/14 10:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Dieldrin	ND		ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.0	5.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/25/14 17:50
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 05/23/14 10:52
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG691976-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.781	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.879	A
Endrin	ND		ug/kg	0.651	0.267	A
Dieldrin	ND		ug/kg	0.976	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.557	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.911	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.516	A
Chlordane	ND		ug/kg	12.7	5.18	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	94		30-150	B
Decachlorobiphenyl	87		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG691976-2 WG691976-3									
Delta-BHC	102		95		30-150	7		30	A
Lindane	101		95		30-150	6		30	A
Alpha-BHC	104		98		30-150	6		30	A
Beta-BHC	87		79		30-150	10		30	A
Heptachlor	109		103		30-150	6		30	A
Aldrin	106		98		30-150	8		30	A
Heptachlor epoxide	97		91		30-150	6		30	A
Endrin	103		96		30-150	7		30	A
Endrin ketone	93		89		30-150	4		30	A
Dieldrin	100		93		30-150	7		30	A
4,4'-DDE	99		92		30-150	7		30	A
4,4'-DDD	104		96		30-150	8		30	A
4,4'-DDT	116		109		30-150	6		30	A
Endosulfan I	101		94		30-150	7		30	A
Endosulfan II	98		92		30-150	6		30	A
Endosulfan sulfate	96		92		30-150	4		30	A
Methoxychlor	103		96		30-150	7		30	A
cis-Chlordane	95		89		30-150	7		30	A
trans-Chlordane	98		91		30-150	7		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG691976-2 WG691976-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		86		30-150	A
Decachlorobiphenyl	93		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		84		30-150	B
Decachlorobiphenyl	101		83		30-150	B

METALS

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

SAMPLE RESULTS

Lab ID: L1410708-01
 Client ID: A1-SW 5 FBG
 Sample Location: 520 W 28TH ST, NYC
 Matrix: Soil
 Percent Solids: 89%

Date Collected: 05/19/14 14:09
 Date Received: 05/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	8.9	1.8	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.71	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Arsenic, Total	4.1		mg/kg	0.89	0.18	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Barium, Total	43		mg/kg	0.89	0.27	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.89	0.06	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Calcium, Total	1000		mg/kg	8.9	2.7	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Chromium, Total	15		mg/kg	0.89	0.18	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Cobalt, Total	4.6		mg/kg	1.8	0.44	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Copper, Total	22		mg/kg	0.89	0.18	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.4	1.8	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Lead, Total	52		mg/kg	4.4	0.18	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Magnesium, Total	1800		mg/kg	8.9	0.89	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Manganese, Total	320		mg/kg	0.89	0.18	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Mercury, Total	0.15		mg/kg	0.08	0.02	1	05/22/14 06:20	05/22/14 13:33	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.2	0.36	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Potassium, Total	830		mg/kg	220	36.	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.89	0.18	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Sodium, Total	340		mg/kg	180	27.	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Vanadium, Total	16		mg/kg	0.89	0.09	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH
Zinc, Total	24		mg/kg	4.4	0.62	2	05/23/14 12:26	05/23/14 15:31	EPA 3050B	1,6010C	JH



Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG691424-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/22/14 06:20	05/22/14 13:27	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG692002-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Calcium, Total	1.3	J	mg/kg	4.0	1.2	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	05/23/14 12:26	05/23/14 15:23	1,6010C	JH



Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG691424-2 SRM Lot Number: 0518-10-02								
Mercury, Total	105		-		67-133	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG692002-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	102	-	82-117	-	
Calcium, Total	89	-	83-117	-	
Chromium, Total	106	-	80-119	-	
Cobalt, Total	104	-	83-117	-	
Copper, Total	109	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	97	-	74-126	-	
Manganese, Total	100	-	83-117	-	
Nickel, Total	104	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	95	-	74-127	-	
Thallium, Total	106	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 W 28TH ST**Project Number:** E040**Lab Number:** L1410708**Report Date:** 05/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG692002-2 SRM Lot Number: 0518-10-02					
Zinc, Total	106	-	82-119	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST

Lab Number: L1410708

Project Number: E040

Report Date: 05/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG691424-4 QC Sample: L1410740-06 Client ID: MS Sample												
Mercury, Total	0.66	0.16	0.49	0	Q	-	-		80-120	-		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG692002-4 QC Sample: L1410708-01 Client ID: A1-SW 5 FBG									
Aluminum, Total	5600	174	6600	574	Q	-	75-125	-	20
Antimony, Total	ND	43.6	39	89		-	75-125	-	20
Arsenic, Total	4.1	10.5	14	95		-	75-125	-	20
Barium, Total	43.	174	210	96		-	75-125	-	20
Beryllium, Total	0.32J	4.36	4.4	101		-	75-125	-	20
Cadmium, Total	ND	4.44	4.2	94		-	75-125	-	20
Calcium, Total	1000	872	1900	103		-	75-125	-	20
Chromium, Total	15.	17.4	36	120		-	75-125	-	20
Cobalt, Total	4.6	43.6	47	97		-	75-125	-	20
Copper, Total	22.	21.8	40	82		-	75-125	-	20
Iron, Total	10000	87.2	11000	1150	Q	-	75-125	-	20
Lead, Total	52.	44.4	110	130	Q	-	75-125	-	20
Magnesium, Total	1800	872	2900	126	Q	-	75-125	-	20
Manganese, Total	320	43.6	380	138	Q	-	75-125	-	20
Nickel, Total	16.	43.6	62	106		-	75-125	-	20
Potassium, Total	830	872	1800	111		-	75-125	-	20
Selenium, Total	ND	10.5	9.9	95		-	75-125	-	20
Silver, Total	ND	26.2	26	99		-	75-125	-	20
Sodium, Total	340	872	1200	99		-	75-125	-	20
Thallium, Total	ND	10.5	9.4	90		-	75-125	-	20
Vanadium, Total	16.	43.6	61	103		-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG692002-4 QC Sample: L1410708-01 Client ID: A1-SW 5 FBG									
Zinc, Total	24.	43.6	64	92	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG691424-3 QC Sample: L1410740-06 Client ID: DUP Sample						
Mercury, Total	0.66	0.78	mg/kg	17		35

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG692002-3 QC Sample: L1410708-01 Client ID: A1-SW 5 FBG					
Aluminum, Total	5600	5800	mg/kg	4	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	4.1	4.0	mg/kg	2	20
Barium, Total	43.	38	mg/kg	12	20
Beryllium, Total	0.32J	0.30J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	1000	1000	mg/kg	0	20
Chromium, Total	15.	17	mg/kg	13	20
Cobalt, Total	4.6	4.9	mg/kg	6	20
Copper, Total	22.	18	mg/kg	20	20
Iron, Total	10000	10000	mg/kg	0	20
Lead, Total	52.	65	mg/kg	22	Q 20
Magnesium, Total	1800	1900	mg/kg	5	20
Manganese, Total	320	270	mg/kg	17	20
Nickel, Total	16.	21	mg/kg	27	Q 20
Potassium, Total	830	860	mg/kg	4	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	340	350	mg/kg	3	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG692002-3 QC Sample: L1410708-01 Client ID: A1-SW 5 FBG					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	16.	15	mg/kg	6	20
Zinc, Total	24.	23	mg/kg	4	20

INORGANICS & MISCELLANEOUS

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

SAMPLE RESULTS

Lab ID: L1410708-01

Client ID: A1-SW 5 FBG

Sample Location: 520 W 28TH ST, NYC

Matrix: Soil

Date Collected: 05/19/14 14:09

Date Received: 05/19/14

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	89.2		%	0.100	NA	1	-	05/20/14 03:49	30,2540G	RT



Project Name: 520 W 28TH ST**Project Number:** E040**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1410708**Report Date:** 05/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG690855-1 QC Sample: L1410692-21 Client ID: DUP Sample						
Solids, Total	81.5	82.0	%	1		20

Project Name: 520 W 28TH ST

Project Number: E040

Lab Number: L1410708

Report Date: 05/27/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/20/2014 01:57

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410708-01A	5 gram Encore Sampler	A	N/A	5.1	Y	Absent	NYTCL-8260HLW(2)
L1410708-01B	5 gram Encore Sampler	A	N/A	5.1	Y	Absent	NYTCL-8260HLW(2)
L1410708-01C	5 gram Encore Sampler	A	N/A	5.1	Y	Absent	NYTCL-8260HLW(2)
L1410708-01D	Plastic 2oz unpreserved for TS	A	N/A	5.1	Y	Absent	TS(7)
L1410708-01E	Amber 120ml unpreserved	A	N/A	5.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1410708-01F	Amber 250ml unpreserved	A	N/A	5.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1410708-01X	Vial MeOH preserved split	A	N/A	5.1	Y	Absent	NYTCL-8260HLW(14)
L1410708-01Y	Vial Water preserved split	A	N/A	5.1	Y	Absent	NYTCL-8260HLW(14)
L1410708-01Z	Vial Water preserved split	A	N/A	5.1	Y	Absent	NYTCL-8260HLW(14)
L1410708-02A	Vial HCl preserved	A	N/A	5.1	Y	Absent	NYTCL-8260(14)
L1410708-02B	Vial HCl preserved	A	N/A	5.1	Y	Absent	NYTCL-8260(14)

Container Comments

*Values in parentheses indicate holding time in days



Project Name: 520 W 28TH ST**Project Number:** E040**Lab Number:** L1410708**Report Date:** 05/27/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1410708-01E

*Values in parentheses indicate holding time in days

Project Name: 520 W 28TH ST
Project Number: E040

Lab Number: L1410708
Report Date: 05/27/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 W 28TH ST
Project Number: E040

Lab Number: L1410708
Report Date: 05/27/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 W 28TH ST
Project Number: E040

Lab Number: L1410708
Report Date: 05/27/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.

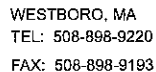
EPA 624: Volatile Halocarbons & Aromatics,

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.



PAGE OF

~~Serial No:05271416:30~~

ALPHA Job #: 1410708

Project Information

Project Name: 520 W 28th ST

Project Location: 520 W. 28th St., NYC

Project #: E040

Project Manager: ALAN CARROLL

ALPHA Quote #:

Turn-Around Time

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

Date Due: 5/27/14 Time:

Date Rec'd in Lab: 5/20/14

Report Information - Data Deliverables

FAX

 EMAIL

~~24~~ ADEx

☒ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

	<i>Criteria</i>

NY PART 375; NY CP-51

SAMPLE HANDLING

Filtration

☐ Done☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # ECTILES

[illegible]



ANALYTICAL REPORT

Lab Number:	L1410408
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W. 28TH ST.
Project Number:	E040
Report Date:	05/22/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1410408
Report Date: 05/22/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1410408-01	A3-SW-6 FTBG	520 WEST 28TH STREET, NYC	05/14/14 11:50
L1410408-02	TRIP BLANK-5/14/14	520 WEST 28TH STREET, NYC	05/14/14 00:00
L1410408-03	A2-SW-7 FTBG	520 WEST 28TH STREET, NYC	05/14/14 14:15

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1410408
Report Date: 05/22/14

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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1410408
Report Date: 05/22/14

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.

Total Metals

L1410408-01 and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

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: 05/22/14

ORGANICS

VOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01
Client ID: A3-SW-6 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/19/14 12:13
Analyst: BN
Percent Solids: 89%

Date Collected: 05/14/14 11:50
Date Received: 05/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	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	0.24	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
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01

Date Collected: 05/14/14 11:50

Client ID: A3-SW-6 FTBG

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
Xylene (Total)	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	ND		ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	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	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	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	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01

Date Collected: 05/14/14 11:50

Client ID: A3-SW-6 FTBG

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-02
Client ID: TRIP BLANK-5/14/14
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/20/14 15:20
Analyst: PD

Date Collected: 05/14/14 00:00
Date Received: 05/14/14
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
1,3-Dichloropropene, Total	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
1,1,1,2-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

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-02

Date Collected: 05/14/14 00:00

Client ID: TRIP BLANK-5/14/14

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	2.9	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

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-02

Date Collected: 05/14/14 00:00

Client ID: TRIP BLANK-5/14/14

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03
Client ID: A2-SW-7 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/19/14 12:40
Analyst: BN
Percent Solids: 90%

Date Collected: 05/14/14 14:15
Date Received: 05/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.1	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.14	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03
 Client ID: A2-SW-7 FTBG
 Sample Location: 520 WEST 28TH STREET, NYC

Date Collected: 05/14/14 14:15
 Date Received: 05/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
Xylene (Total)	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03

Date Collected: 05/14/14 14:15

Client ID: A2-SW-7 FTBG

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.1	0.16	1
4-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/19/14 08:37
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG690887-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/19/14 08:37
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG690887-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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
Xylene (Total)	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

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/19/14 08:37
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG690887-3					
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8260C**Analytical Date:** 05/19/14 08:37**Analyst:** BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG690887-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/20/14 14:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG691096-3					
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
1,3-Dichloropropene, Total	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

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/20/14 14:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG691096-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/20/14 14:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG691096-3					
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
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG690887-1 WG690887-2								
Methylene chloride	105		97		70-130	8		30
1,1-Dichloroethane	102		94		70-130	8		30
Chloroform	105		96		70-130	9		30
Carbon tetrachloride	101		91		70-130	10		30
1,2-Dichloropropane	101		93		70-130	8		30
Dibromochloromethane	92		87		70-130	6		30
2-Chloroethylvinyl ether	96		92		70-130	4		30
1,1,2-Trichloroethane	99		94		70-130	5		30
Tetrachloroethene	98		89		70-130	10		30
Chlorobenzene	98		92		70-130	6		30
Trichlorofluoromethane	139		124		70-139	11		30
1,2-Dichloroethane	111		104		70-130	7		30
1,1,1-Trichloroethane	104		94		70-130	10		30
Bromodichloromethane	100		95		70-130	5		30
trans-1,3-Dichloropropene	96		90		70-130	6		30
cis-1,3-Dichloropropene	98		92		70-130	6		30
1,1-Dichloropropene	101		92		70-130	9		30
Bromoform	86		82		70-130	5		30
1,1,2,2-Tetrachloroethane	93		90		70-130	3		30
Benzene	102		94		70-130	8		30
Toluene	94		86		70-130	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG690887-1 WG690887-2								
Ethylbenzene	100		92		70-130	8		30
Chloromethane	90		84		52-130	7		30
Bromomethane	150	Q	128		57-147	16		30
Vinyl chloride	128		114		67-130	12		30
Chloroethane	143		128		50-151	11		30
1,1-Dichloroethene	101		91		65-135	10		30
trans-1,2-Dichloroethene	102		93		70-130	9		30
Trichloroethene	105		96		70-130	9		30
1,2-Dichlorobenzene	97		91		70-130	6		30
1,3-Dichlorobenzene	98		90		70-130	9		30
1,4-Dichlorobenzene	98		90		70-130	9		30
Methyl tert butyl ether	101		94		66-130	7		30
p/m-Xylene	100		92		70-130	8		30
o-Xylene	101		93		70-130	8		30
cis-1,2-Dichloroethene	104		96		70-130	8		30
Dibromomethane	104		99		70-130	5		30
Styrene	103		96		70-130	7		30
Dichlorodifluoromethane	90		82		30-146	9		30
Acetone	113		105		54-140	7		30
Carbon disulfide	101		91		59-130	10		30
2-Butanone	94		85		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG690887-1 WG690887-2								
Vinyl acetate	100		92		70-130	8		30
4-Methyl-2-pentanone	96		90		70-130	6		30
1,2,3-Trichloropropane	98		94		68-130	4		30
2-Hexanone	86		81		70-130	6		30
Bromochloromethane	104		97		70-130	7		30
2,2-Dichloropropane	101		92		70-130	9		30
1,2-Dibromoethane	94		90		70-130	4		30
1,3-Dichloropropane	97		92		69-130	5		30
1,1,1,2-Tetrachloroethane	95		89		70-130	7		30
Bromobenzene	94		89		70-130	5		30
n-Butylbenzene	101		92		70-130	9		30
sec-Butylbenzene	97		88		70-130	10		30
tert-Butylbenzene	96		88		70-130	9		30
o-Chlorotoluene	103		95		70-130	8		30
p-Chlorotoluene	99		92		70-130	7		30
1,2-Dibromo-3-chloropropane	86		80		68-130	7		30
Hexachlorobutadiene	99		88		67-130	12		30
Isopropylbenzene	96		86		70-130	11		30
p-Isopropyltoluene	98		90		70-130	9		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	100		92		70-130	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG690887-1 WG690887-2								
Isopropyl Ether	96		89		66-130	8		30
tert-Butyl Alcohol	95		91		70-130	4		30
n-Propylbenzene	98		90		70-130	9		30
1,2,3-Trichlorobenzene	97		90		70-130	7		30
1,2,4-Trichlorobenzene	100		92		70-130	8		30
1,3,5-Trimethylbenzene	99		90		70-130	10		30
1,2,4-Trimethylbenzene	98		90		70-130	9		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	97		91		70-130	6		30
Acrolein	88		84		70-130	5		30
Cyclohexane	97		86		59-142	12		30
1,4-Dioxane	102		96		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		91		50-139	11		30
1,4-Diethylbenzene	99		90		70-130	10		30
4-Ethyltoluene	97		88		70-130	10		30
1,2,4,5-Tetramethylbenzene	99		90		70-130	10		30
Tetrahydrofuran	93		86		66-130	8		30
Ethyl ether	105		94		67-130	11		30
trans-1,4-Dichloro-2-butene	96		92		70-130	4		30
Methyl cyclohexane	98		88		70-130	11		30
Ethyl-Tert-Butyl-Ether	102		95		70-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG690887-1 WG690887-2								
Tertiary-Amyl Methyl Ether	100		93		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		107		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

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: WG691096-1 WG691096-2								
Methylene chloride	119		114		70-130	4		20
1,1-Dichloroethane	116		116		70-130	0		20
Chloroform	116		114		70-130	2		20
Carbon tetrachloride	111		112		63-132	1		20
1,2-Dichloropropane	114		112		70-130	2		20
Dibromochloromethane	111		106		63-130	5		20
1,1,2-Trichloroethane	109		108		70-130	1		20
Tetrachloroethene	121		119		70-130	2		20
Chlorobenzene	110		109		75-130	1		20
Trichlorofluoromethane	97		96		62-150	1		20
1,2-Dichloroethane	108		104		70-130	4		20
1,1,1-Trichloroethane	113		112		67-130	1		20
Bromodichloromethane	112		110		67-130	2		20
trans-1,3-Dichloropropene	99		96		70-130	3		20
cis-1,3-Dichloropropene	106		103		70-130	3		20
1,1-Dichloropropene	118		120		70-130	2		20
Bromoform	99		96		54-136	3		20
1,1,2,2-Tetrachloroethane	102		100		67-130	2		20
Benzene	118		115		70-130	3		20
Toluene	109		108		70-130	1		20
Ethylbenzene	110		109		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

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: WG691096-1 WG691096-2								
Chloromethane	76		76		64-130	0		20
Bromomethane	43		45		39-139	5		20
Vinyl chloride	58		55		55-140	5		20
Chloroethane	120		114		55-138	5		20
1,1-Dichloroethene	110		109		61-145	1		20
trans-1,2-Dichloroethene	116		119		70-130	3		20
Trichloroethene	117		114		70-130	3		20
1,2-Dichlorobenzene	101		104		70-130	3		20
1,3-Dichlorobenzene	104		106		70-130	2		20
1,4-Dichlorobenzene	105		105		70-130	0		20
Methyl tert butyl ether	108		100		63-130	8		20
p/m-Xylene	108		107		70-130	1		20
o-Xylene	106		105		70-130	1		20
cis-1,2-Dichloroethene	117		120		70-130	3		20
Dibromomethane	118		110		70-130	7		20
1,2,3-Trichloropropane	105		102		64-130	3		20
Acrylonitrile	104		98		70-130	6		20
Styrene	110		108		70-130	2		20
Dichlorodifluoromethane	101		97		36-147	4		20
Acetone	129		104		58-148	21	Q	20
Carbon disulfide	111		109		51-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

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: WG691096-1 WG691096-2								
2-Butanone	118		94		63-138	23	Q	20
Vinyl acetate	116		106		70-130	9		20
4-Methyl-2-pentanone	98		89		59-130	10		20
2-Hexanone	92		82		57-130	11		20
Bromochloromethane	120		112		70-130	7		20
2,2-Dichloropropane	115		121		63-133	5		20
1,2-Dibromoethane	110		104		70-130	6		20
1,3-Dichloropropane	109		103		70-130	6		20
1,1,1,2-Tetrachloroethane	106		103		64-130	3		20
Bromobenzene	106		107		70-130	1		20
n-Butylbenzene	103		106		53-136	3		20
sec-Butylbenzene	105		108		70-130	3		20
tert-Butylbenzene	104		108		70-130	4		20
o-Chlorotoluene	104		106		70-130	2		20
p-Chlorotoluene	106		106		70-130	0		20
1,2-Dibromo-3-chloropropane	73		70		41-144	4		20
Hexachlorobutadiene	108		114		63-130	5		20
Isopropylbenzene	105		108		70-130	3		20
p-Isopropyltoluene	106		110		70-130	4		20
Naphthalene	89		84		70-130	6		20
n-Propylbenzene	108		110		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

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: WG691096-1 WG691096-2								
1,2,3-Trichlorobenzene	84		81		70-130	4		20
1,2,4-Trichlorobenzene	94		93		70-130	1		20
1,3,5-Trimethylbenzene	106		108		64-130	2		20
1,2,4-Trimethylbenzene	103		106		70-130	3		20
1,4-Dioxane	97		99		56-162	2		20
p-Diethylbenzene	102		106		70-130	4		20
p-Ethyltoluene	106		108		70-130	2		20
1,2,4,5-Tetramethylbenzene	99		102		70-130	3		20
Ethyl ether	102		96		59-134	6		20
trans-1,4-Dichloro-2-butene	74		69	Q	70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	96		94		70-130

SEMIVOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01
Client ID: A3-SW-6 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/22/14 03:25
Analyst: RC
Percent Solids: 89%

Date Collected: 05/14/14 11:50
Date Received: 05/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/16/14 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	40	J	ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	130	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01
 Client ID: A3-SW-6 FTBG
 Sample Location: 520 WEST 28TH STREET, NYC

Date Collected: 05/14/14 11:50
 Date Received: 05/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	100	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	110		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	79	J	ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	120	J	ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01

Date Collected: 05/14/14 11:50

Client ID: A3-SW-6 FTBG

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	66		0-136
4-Terphenyl-d14	66		18-120

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03
Client ID: A2-SW-7 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/22/14 03:51
Analyst: RC
Percent Solids: 90%

Date Collected: 05/14/14 14:15
Date Received: 05/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/16/14 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	ND		ug/kg	160	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	190		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03
 Client ID: A2-SW-7 FTBG
 Sample Location: 520 WEST 28TH STREET, NYC

Date Collected: 05/14/14 14:15
 Date Received: 05/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	160	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	57.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03

Date Collected: 05/14/14 14:15

Client ID: A2-SW-7 FTBG

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	78		18-120

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/21/14 11:43
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/16/14 12:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG690180-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	140	J	ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/21/14 11:43
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/16/14 12:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG690180-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/21/14 11:43
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/16/14 12:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG690180-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	91		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG690180-2 WG690180-3								
Acenaphthene	91		89		31-137	2		50
1,2,4-Trichlorobenzene	85		85		38-107	0		50
Hexachlorobenzene	99		96		40-140	3		50
Bis(2-chloroethyl)ether	85		83		40-140	2		50
2-Chloronaphthalene	90		87		40-140	3		50
1,2-Dichlorobenzene	84		82		40-140	2		50
1,3-Dichlorobenzene	82		81		40-140	1		50
1,4-Dichlorobenzene	82		80		28-104	2		50
3,3'-Dichlorobenzidine	72		62		40-140	15		50
2,4-Dinitrotoluene	107	Q	105	Q	28-89	2		50
2,6-Dinitrotoluene	110		106		40-140	4		50
Fluoranthene	109		109		40-140	0		50
4-Chlorophenyl phenyl ether	96		93		40-140	3		50
4-Bromophenyl phenyl ether	103		100		40-140	3		50
Bis(2-chloroisopropyl)ether	87		83		40-140	5		50
Bis(2-chloroethoxy)methane	86		83		40-117	4		50
Hexachlorobutadiene	89		89		40-140	0		50
Hexachlorocyclopentadiene	71		72		40-140	1		50
Hexachloroethane	86		84		40-140	2		50
Isophorone	90		86		40-140	5		50
Naphthalene	85		85		40-140	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG690180-2 WG690180-3								
Nitrobenzene	95		93		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	102		100			2		50
n-Nitrosodi-n-propylamine	89		85		32-121	5		50
Bis(2-Ethylhexyl)phthalate	101		140		40-140	32		50
Butyl benzyl phthalate	106		107		40-140	1		50
Di-n-butylphthalate	112		110		40-140	2		50
Di-n-octylphthalate	102		106		40-140	4		50
Diethyl phthalate	102		99		40-140	3		50
Dimethyl phthalate	102		99		40-140	3		50
Benzo(a)anthracene	104		103		40-140	1		50
Benzo(a)pyrene	94		95		40-140	1		50
Benzo(b)fluoranthene	86		83		40-140	4		50
Benzo(k)fluoranthene	102		98		40-140	4		50
Chrysene	97		96		40-140	1		50
Acenaphthylene	96		92		40-140	4		50
Anthracene	101		98		40-140	3		50
Benzo(ghi)perylene	93		93		40-140	0		50
Fluorene	97		96		40-140	1		50
Phenanthrene	97		95		40-140	2		50
Dibenzo(a,h)anthracene	94		95		40-140	1		50
Indeno(1,2,3-cd)Pyrene	100		100		40-140	0		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG690180-2 WG690180-3								
Pyrene	106		106		35-142	0		50
Biphenyl	90		89			1		50
4-Chloroaniline	86		80		40-140	7		50
2-Nitroaniline	104		101		47-134	3		50
3-Nitroaniline	88		79		26-129	11		50
4-Nitroaniline	105		100		41-125	5		50
Dibenzofuran	93		91		40-140	2		50
2-Methylnaphthalene	90		89		40-140	1		50
1,2,4,5-Tetrachlorobenzene	89		89		40-117	0		50
Acetophenone	85		82		14-144	4		50
2,4,6-Trichlorophenol	111		106		30-130	5		50
P-Chloro-M-Cresol	107	Q	101		26-103	6		50
2-Chlorophenol	93		92		25-102	1		50
2,4-Dichlorophenol	102		100		30-130	2		50
2,4-Dimethylphenol	86		84		30-130	2		50
2-Nitrophenol	90		88		30-130	2		50
4-Nitrophenol	84		75		11-114	11		50
2,4-Dinitrophenol	98		92		4-130	6		50
4,6-Dinitro-o-cresol	111		108		10-130	3		50
Pentachlorophenol	104		101		17-109	3		50
Phenol	90		86		26-90	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG690180-2 WG690180-3								
2-Methylphenol	93		90		30-130.	3		50
3-Methylphenol/4-Methylphenol	95		91		30-130	4		50
2,4,5-Trichlorophenol	111		105		30-130	6		50
Benzoic Acid	40		35			13		50
Benzyl Alcohol	92		90		40-140	2		50
Carbazole	102		99		54-128	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		86		25-120
Phenol-d6	89		84		10-120
Nitrobenzene-d5	86		82		23-120
2-Fluorobiphenyl	86		81		30-120
2,4,6-Tribromophenol	94		89		0-136
4-Terphenyl-d14	101		98		18-120

PCBS

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01
Client ID: A3-SW-6 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/18/14 20:49
Analyst: JW
Percent Solids: 89%

Date Collected: 05/14/14 11:50
Date Received: 05/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/17/14 06:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/18/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	2.83	1	A
Aroclor 1221	ND		ug/kg	35.8	3.30	1	A
Aroclor 1232	ND		ug/kg	35.8	4.19	1	A
Aroclor 1242	ND		ug/kg	35.8	4.38	1	A
Aroclor 1248	ND		ug/kg	35.8	3.02	1	A
Aroclor 1254	ND		ug/kg	35.8	2.94	1	A
Aroclor 1260	ND		ug/kg	35.8	2.72	1	A
Aroclor 1262	ND		ug/kg	35.8	1.77	1	A
Aroclor 1268	ND		ug/kg	35.8	5.19	1	A
PCBs, Total	ND		ug/kg	35.8	1.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03
Client ID: A2-SW-7 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/18/14 21:01
Analyst: JW
Percent Solids: 90%

Date Collected: 05/14/14 14:15
Date Received: 05/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/17/14 06:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/18/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	2.79	1	A
Aroclor 1221	ND		ug/kg	35.3	3.26	1	A
Aroclor 1232	ND		ug/kg	35.3	4.14	1	A
Aroclor 1242	ND		ug/kg	35.3	4.32	1	A
Aroclor 1248	ND		ug/kg	35.3	2.98	1	A
Aroclor 1254	ND		ug/kg	35.3	2.90	1	A
Aroclor 1260	ND		ug/kg	35.3	2.69	1	A
Aroclor 1262	ND		ug/kg	35.3	1.75	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A
PCBs, Total	ND		ug/kg	35.3	1.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/18/14 21:38
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 05/17/14 06:20
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/18/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03 Batch: WG690366-1						
Aroclor 1016	ND		ug/kg	31.6	2.50	A
Aroclor 1221	ND		ug/kg	31.6	2.92	A
Aroclor 1232	ND		ug/kg	31.6	3.71	A
Aroclor 1242	ND		ug/kg	31.6	3.87	A
Aroclor 1248	ND		ug/kg	31.6	2.67	A
Aroclor 1254	ND		ug/kg	31.6	2.60	A
Aroclor 1260	ND		ug/kg	31.6	2.41	A
Aroclor 1262	ND		ug/kg	31.6	1.57	A
Aroclor 1268	ND		ug/kg	31.6	4.58	A
PCBs, Total	ND		ug/kg	31.6	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	57		30-150	A
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG690366-2 WG690366-3									
Aroclor 1016	69		67		40-140	3		50	A
Aroclor 1260	54		52		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		64		30-150	A
Decachlorobiphenyl	52		50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		75		30-150	B
Decachlorobiphenyl	62		58		30-150	B

PESTICIDES

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-01
Client ID: A3-SW-6 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/17/14 20:51
Analyst: SH
Percent Solids: 89%

Date Collected: 05/14/14 11:50
Date Received: 05/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/16/14 05:08
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.408	1	A
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**SAMPLE RESULTS**

Lab ID: L1410408-03
Client ID: A2-SW-7 FTBG
Sample Location: 520 WEST 28TH STREET, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/17/14 21:05
Analyst: SH
Percent Solids: 90%

Date Collected: 05/14/14 14:15
Date Received: 05/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/16/14 05:08
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.715	0.320	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.651	1	A
Heptachlor	ND		ug/kg	0.858	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.965	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.612	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.405	1	A
Endosulfan II	ND		ug/kg	1.72	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
cis-Chlordane	ND		ug/kg	2.14	0.598	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/17/14 18:49
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 05/16/14 04:52
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG690042-1						
Delta-BHC	ND		ug/kg	1.52	0.299	A
Lindane	ND		ug/kg	0.636	0.284	A
Alpha-BHC	ND		ug/kg	0.636	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.763	0.342	A
Aldrin	ND		ug/kg	1.52	0.537	A
Heptachlor epoxide	ND		ug/kg	2.86	0.858	A
Endrin	ND		ug/kg	0.636	0.261	A
Dieldrin	ND		ug/kg	0.954	0.477	A
4,4'-DDE	ND		ug/kg	1.52	0.353	A
4,4'-DDD	ND		ug/kg	1.52	0.544	A
4,4'-DDT	ND		ug/kg	2.86	1.23	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.510	A
Endosulfan sulfate	ND		ug/kg	0.636	0.303	A
Methoxychlor	ND		ug/kg	2.86	0.890	A
cis-Chlordane	ND		ug/kg	1.91	0.531	A
trans-Chlordane	ND		ug/kg	1.91	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	82		30-150	B
Decachlorobiphenyl	85		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG690042-2 WG690042-3									
Delta-BHC	92		120		30-150	26		30	A
Lindane	89		115		30-150	25		30	A
Alpha-BHC	93		120		30-150	25		30	A
Beta-BHC	82		105		30-150	25		30	A
Heptachlor	89		119		30-150	29		30	A
Aldrin	92		120		30-150	26		30	A
Heptachlor epoxide	86		112		30-150	26		30	A
Endrin	91		120		30-150	27		30	A
Endrin ketone	82		106		30-150	26		30	A
Dieldrin	90		117		30-150	26		30	A
4,4'-DDE	88		116		30-150	27		30	A
4,4'-DDD	91		118		30-150	26		30	A
4,4'-DDT	90		123		30-150	31	Q	30	A
Endosulfan I	89		117		30-150	27		30	A
Endosulfan II	89		117		30-150	27		30	A
Endosulfan sulfate	90		114		30-150	24		30	A
Methoxychlor	80		105		30-150	27		30	A
cis-Chlordane	85		113		30-150	28		30	A
trans-Chlordane	86		112		30-150	26		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG690042-2 WG690042-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		110		30-150	A
Decachlorobiphenyl	75		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		119		30-150	B
Decachlorobiphenyl	70		98		30-150	B

METALS

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410408-01

Date Collected: 05/14/14 11:50

Client ID: A3-SW-6 FTBG

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7900		mg/kg	8.6	1.7	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.68	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Arsenic, Total	5.6		mg/kg	0.86	0.17	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Barium, Total	42		mg/kg	0.86	0.26	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.43	0.09	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.86	0.06	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Calcium, Total	2900		mg/kg	8.6	2.6	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.86	0.17	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Cobalt, Total	6.3		mg/kg	1.7	0.43	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Copper, Total	19		mg/kg	0.86	0.17	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.3	1.7	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Lead, Total	22		mg/kg	4.3	0.17	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Magnesium, Total	3000		mg/kg	8.6	0.86	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Manganese, Total	390		mg/kg	0.86	0.17	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	05/17/14 07:55	05/19/14 11:21	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.1	0.34	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Potassium, Total	700		mg/kg	210	34.	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.86	0.17	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Sodium, Total	200		mg/kg	170	26.	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.86	0.09	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT
Zinc, Total	34		mg/kg	4.3	0.60	2	05/20/14 11:26	05/20/14 17:54	EPA 3050B	1,6010C	TT



Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410408-03

Date Collected: 05/14/14 14:15

Client ID: A2-SW-7 FTBG

Date Received: 05/14/14

Sample Location: 520 WEST 28TH STREET, NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7500		mg/kg	8.4	1.7	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Arsenic, Total	5.0		mg/kg	0.84	0.17	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Barium, Total	35		mg/kg	0.84	0.25	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Beryllium, Total	0.33	J	mg/kg	0.42	0.08	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.84	0.06	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Calcium, Total	790		mg/kg	8.4	2.5	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.84	0.17	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Cobalt, Total	5.8		mg/kg	1.7	0.42	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Copper, Total	16		mg/kg	0.84	0.17	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.2	1.7	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Lead, Total	6.4		mg/kg	4.2	0.17	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Magnesium, Total	2500		mg/kg	8.4	0.84	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.84	0.17	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.09	0.02	1	05/17/14 07:55	05/19/14 11:22	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.1	0.34	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Potassium, Total	580		mg/kg	210	34.	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.25	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Sodium, Total	110	J	mg/kg	170	25.	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.84	0.08	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT
Zinc, Total	28		mg/kg	4.2	0.59	2	05/20/14 11:26	05/20/14 17:58	EPA 3050B	1,6010C	TT



Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03 Batch: WG690142-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/17/14 07:55	05/19/14 10:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03 Batch: WG690964-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Iron, Total	1.0	J	mg/kg	2.0	0.80	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	05/20/14 11:26	05/20/14 16:08	1,6010C	TT

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG690142-2 SRM Lot Number: 0518-10-02								
Mercury, Total	105		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG690964-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	94	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	95	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	92	-	80-120	-	
Magnesium, Total	83	-	74-126	-	
Manganese, Total	90	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	91	-	74-126	-	
Selenium, Total	95	-	80-120	-	
Silver, Total	96	-	66-134	-	
Sodium, Total	92	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1410408**Report Date:** 05/22/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG690964-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Lab Number: L1410408

Project Number: E040

Report Date: 05/22/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG690142-4 QC Sample: L1410496-01 Client ID: MS Sample												
Mercury, Total	0.22	0.154	0.38	104		-	-		80-120	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG690964-4 QC Sample: L1410381-05 Client ID: MS Sample									
Aluminum, Total	6200	177	8700	1410	Q	-	75-125	-	20
Antimony, Total	2.6J	44.2	39	88		-	75-125	-	20
Arsenic, Total	7.1	10.6	22	140	Q	-	75-125	-	20
Barium, Total	90.	177	410	181	Q	-	75-125	-	20
Beryllium, Total	0.12J	4.42	4.2	95		-	75-125	-	20
Cadmium, Total	0.23J	4.51	5.2	115		-	75-125	-	20
Calcium, Total	3800	884	8900	576	Q	-	75-125	-	20
Chromium, Total	9.3	17.7	33	134	Q	-	75-125	-	20
Cobalt, Total	9.7	44.2	49	89		-	75-125	-	20
Copper, Total	75.	22.1	160	384	Q	-	75-125	-	20
Iron, Total	22000	88.4	26000	4520	Q	-	75-125	-	20
Lead, Total	61.	45.1	210	330	Q	-	75-125	-	20
Magnesium, Total	4600	884	5000	45	Q	-	75-125	-	20
Manganese, Total	250	44.2	470	497	Q	-	75-125	-	20
Nickel, Total	13.	44.2	54	93		-	75-125	-	20
Potassium, Total	870	884	2900	230	Q	-	75-125	-	20
Selenium, Total	ND	10.6	9.6	90		-	75-125	-	20
Silver, Total	ND	26.5	25	94		-	75-125	-	20
Sodium, Total	150J	884	1200	136	Q	-	75-125	-	20
Thallium, Total	ND	10.6	8.4	79		-	75-125	-	20
Vanadium, Total	42.	44.2	85	97		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG690964-4 QC Sample: L1410381-05 Client ID: MS Sample									
Zinc, Total	190	44.2	490	678	Q	-	-	75-125	- 20

Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1410408**Report Date:** 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG690142-3 QC Sample: L1410496-01 Client ID: DUP Sample						
Mercury, Total	0.22	0.20	mg/kg	10		35

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG690964-3 QC Sample: L1410381-05 Client ID: DUP Sample					
Aluminum, Total	6200	7400	mg/kg	18	20
Antimony, Total	2.6J	1.3J	mg/kg	NC	20
Arsenic, Total	7.1	12	mg/kg	51	Q 20
Barium, Total	90.	280	mg/kg	103	Q 20
Beryllium, Total	0.12J	0.22J	mg/kg	NC	20
Cadmium, Total	0.23J	1.8	mg/kg	NC	20
Calcium, Total	3800	26000	mg/kg	149	Q 20
Chromium, Total	9.3	17	mg/kg	59	Q 20
Cobalt, Total	9.7	9.2	mg/kg	5	20
Copper, Total	75.	130	mg/kg	54	Q 20
Iron, Total	22000	27000	mg/kg	20	20
Lead, Total	61.	190	mg/kg	103	Q 20
Magnesium, Total	4600	14000	mg/kg	101	Q 20
Manganese, Total	250	290	mg/kg	15	20
Nickel, Total	13.	19	mg/kg	38	Q 20
Potassium, Total	870	1900	mg/kg	74	Q 20
Selenium, Total	ND	0.40J	mg/kg	NC	20
Silver, Total	ND	0.45J	mg/kg	NC	20
Sodium, Total	150J	320	mg/kg	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG690964-3 QC Sample: L1410381-05 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	42.	40	mg/kg	5	20
Zinc, Total	190	460	mg/kg	83	Q 20

INORGANICS & MISCELLANEOUS

Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1410408**Report Date:** 05/22/14**SAMPLE RESULTS****Lab ID:** L1410408-01**Client ID:** A3-SW-6 FTBG**Sample Location:** 520 WEST 28TH STREET, NYC**Matrix:** Soil**Date Collected:** 05/14/14 11:50**Date Received:** 05/14/14**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	88.8		%	0.100	NA	1	-	05/15/14 20:47	30,2540G	RT



Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1410408**Report Date:** 05/22/14**SAMPLE RESULTS****Lab ID:** L1410408-03**Client ID:** A2-SW-7 FTBG**Sample Location:** 520 WEST 28TH STREET, NYC**Matrix:** Soil**Date Collected:** 05/14/14 14:15**Date Received:** 05/14/14**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	89.6		%	0.100	NA	1	-	05/15/14 20:47	30,2540G	RT



Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1410408**Report Date:** 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG689994-1 QC Sample: L1410385-01 Client ID: DUP Sample						
Solids, Total	93.6	94.4	%	1		20

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/15/2014 11:37

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410408-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410408-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410408-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410408-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1410408-01E	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1410408-01F	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1410408-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410408-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410408-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410408-02A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410408-02B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410408-03A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410408-03B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1410408

Report Date: 05/22/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410408-03C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1410408-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1410408-03E	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1410408-03F	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1410408-03X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410408-03Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1410408-03Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 W. 28TH ST.**Lab Number:** L1410408**Project Number:** E040**Report Date:** 05/22/14**Data Qualifiers**

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1410408
Report Date: 05/22/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>5/15/14</u>		ALPHA Job # <u>14110408</u>																																																																																																																																																																																																																																																			
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>520 W 28TH ST.</u> Project Location: <u>520 WEST 28TH STREET, NYC</u> Project # <u>E040</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☒ Other		Billing Information ☐ Same as Client Info PO #																																																																																																																																																																																																																																																	
Client Information Client: <u>INTEGRAL CONSULTING INC.</u> Address: <u>1601 BROADWAY, SUITE 1601</u> <u>NY, NYC</u> Phone: <u>212-440-6715</u> Fax: <u>SMCTAVEY@INTEGRAL-CORP.COM</u> Email: <u>ACARROLL@INTEGRAL-CORP.COM</u>		Project Manager: <u>ACANA CARROLL</u> ALPHAQuote #: _____ Turn-Around Time <u>Standard</u> Due Date: _____ Rush (only if pre approved) ☐ <u>5/21/14</u> # of Days: _____		Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☒ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																																																																																					
These samples have been previously analyzed by Alpha ☐		Other project specific requirements/comments:		ANALYSIS TEL VOC'S via 82600 PART 375 + CP-51 TEL 3400'S 4270D PART 375 + CP-51 TAL METALS via 6010C 7421B, PART 375, CP-51 TOTAL PCB'S via 8082A PART 375 + CP-51 PESTICIDES via 8081B PART 375 + CP-51		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottle																																																																																																																																																																																																																																																			
Please specify Metals or TAL.		Sample Specific Comments																																																																																																																																																																																																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="10">ANALYSIS</th> <th rowspan="2">Sample Specific Comments</th> <th rowspan="2">Total Bottle</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>TEL VOC'S via 82600 PART 375 + CP-51</th> <th>TEL 3400'S 4270D PART 375 + CP-51</th> <th>TAL METALS via 6010C 7421B, PART 375, CP-51</th> <th>TOTAL PCB'S via 8082A PART 375 + CP-51</th> <th>PESTICIDES via 8081B PART 375 + CP-51</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>10408 01</td> <td>A3-SW-6ftbg</td> <td>5/14/14</td> <td>11:50</td> <td>S</td> <td>SM</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>CAT. B. Deliverables</td> <td>6</td> </tr> <tr> <td>02</td> <td>TRIP BLANK-5/14/14</td> <td>5/14/14</td> <td>-</td> <td>AQ</td> <td>OM</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td>03</td> <td>A2-SW-7ftbg</td> <td>5/14/14</td> <td>14:15</td> <td>S</td> <td>SM</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>CAT. B. Deliverables</td> <td>6</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										Sample Specific Comments	Total Bottle	Date	Time	TEL VOC'S via 82600 PART 375 + CP-51	TEL 3400'S 4270D PART 375 + CP-51	TAL METALS via 6010C 7421B, PART 375, CP-51	TOTAL PCB'S via 8082A PART 375 + CP-51	PESTICIDES via 8081B PART 375 + CP-51							10408 01	A3-SW-6ftbg	5/14/14	11:50	S	SM	X	X	X	X	X							CAT. B. Deliverables	6	02	TRIP BLANK-5/14/14	5/14/14	-	AQ	OM	X												2	03	A2-SW-7ftbg	5/14/14	14:15	S	SM	X	X	X	X	X							CAT. B. Deliverables	6																																																																																																																																																									Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type <u>EV</u> <u>A A A A</u> Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
ALPHA Lab ID (Lab Use Only)	Sample ID			Collection				Sample Matrix	Sampler's Initials	ANALYSIS										Sample Specific Comments	Total Bottle																																																																																																																																																																																																																																						
		Date	Time	TEL VOC'S via 82600 PART 375 + CP-51	TEL 3400'S 4270D PART 375 + CP-51	TAL METALS via 6010C 7421B, PART 375, CP-51	TOTAL PCB'S via 8082A PART 375 + CP-51			PESTICIDES via 8081B PART 375 + CP-51																																																																																																																																																																																																																																																	
10408 01	A3-SW-6ftbg	5/14/14	11:50	S	SM	X	X	X	X	X							CAT. B. Deliverables	6																																																																																																																																																																																																																																									
02	TRIP BLANK-5/14/14	5/14/14	-	AQ	OM	X												2																																																																																																																																																																																																																																									
03	A2-SW-7ftbg	5/14/14	14:15	S	SM	X	X	X	X	X							CAT. B. Deliverables	6																																																																																																																																																																																																																																									
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: <u>[Signature]</u> <u>Tom Toren</u>		Date/Time <u>5-14-14 1544</u> <u>5-14-14 1850</u> <u>5-15-14 0025</u>		Received By: <u>[Signature]</u> <u>Tom Toren</u> <u>Don Chuang</u>		Date/Time <u>5-14-14 1544</u> <u>5-14-14 1850</u> <u>5/15/14 0025</u>																																																																																																																																																																																																																																																			



ANALYTICAL REPORT

Lab Number:	L1410189
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH ST.
Project Number:	E040
Report Date:	05/20/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410189
Report Date: 05/20/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1410189-01	A4-SW (8')	520 W. 28TH ST., NYC	05/13/14 10:45
L1410189-02	TRIP BLANK	520 W. 28TH ST., NYC	05/13/14 00:00

Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410189
Report Date: 05/20/14

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: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410189
Report Date: 05/20/14

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.

Metals

L1410189-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG689923-3/-4 MS/MSD recoveries, performed on L1410189-01, are outside the acceptance criteria for mercury (127%/131%). A post digestion spike was performed and was within acceptance criteria.

The WG690119-3/-4 MS/MSD recoveries for aluminum (501%/841%), iron (1100%/2380%), and manganese (0%/0%), performed on L1410189-01, do not apply because the sample concentrations are greater than four times the spike amounts added. In addition, the associated MS/MSD RPD is above the acceptance criteria for aluminum (21%).

The WG690119-3/-4 MS/MSD recoveries, performed on L1410189-01, are outside the acceptance criteria for magnesium (138%/156%) and potassium (MSD at 128%). A post digestion spike was performed and was within acceptance criteria.

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: 05/20/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01
Client ID: A4-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/15/14 09:46
Analyst: MV
Percent Solids: 76%

Date Collected: 05/13/14 10:45
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.2	0.97	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.17	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.30	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01

Date Collected: 05/13/14 10:45

Client ID: A4-SW (8')

Date Received: 05/13/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.33	1
Xylene (Total)	ND		ug/kg	2.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.2	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.2	0.69	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.98	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.2	0.95	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.98	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.71	1
1,4-Dioxane	ND		ug/kg	120	22.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.20	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01

Date Collected: 05/13/14 10:45

Client ID: A4-SW (8')

Date Received: 05/13/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
4-Ethyltoluene	ND		ug/kg	4.9	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-02
Client ID: TRIP BLANK
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/15/14 22:13
Analyst: PD

Date Collected: 05/13/14 00:00
Date Received: 05/13/14
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: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-02

Date Collected: 05/13/14 00:00

Client ID: TRIP BLANK

Date Received: 05/13/14

Sample Location: 520 W. 28TH ST., NYC

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
Xylenes, Total	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	3.1	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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-02

Date Collected: 05/13/14 00:00

Client ID: TRIP BLANK

Date Received: 05/13/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	98		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	89		70-130

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/15/14 21:38
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG690102-3					
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: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/15/14 21:38
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG690102-3					
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
Xylenes, Total	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

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/15/14 21:38
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG690102-3					
Naphthalene	ND		ug/l	2.5	0.70
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	104		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/15/14 08:53
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG690294-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.37	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.1	J	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

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/15/14 08:53
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG690294-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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
Xylene (Total)	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	4.0	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



Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/15/14 08:53
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG690294-3					
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/15/14 08:53

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG690294-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

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: WG690102-1 WG690102-2								
Methylene chloride	101		106		70-130	5		20
1,1-Dichloroethane	102		101		70-130	1		20
Chloroform	104		99		70-130	5		20
Carbon tetrachloride	93		87		63-132	7		20
1,2-Dichloropropane	101		100		70-130	1		20
Dibromochloromethane	97		104		63-130	7		20
1,1,2-Trichloroethane	108		112		70-130	4		20
Tetrachloroethene	112		108		70-130	4		20
Chlorobenzene	109		107		75-130	2		20
Trichlorofluoromethane	80		81		62-150	1		20
1,2-Dichloroethane	99		98		70-130	1		20
1,1,1-Trichloroethane	97		92		67-130	5		20
Bromodichloromethane	94		94		67-130	0		20
trans-1,3-Dichloropropene	93		96		70-130	3		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
1,1-Dichloropropene	102		98		70-130	4		20
Bromoform	89		88		54-136	1		20
1,1,2,2-Tetrachloroethane	106		110		67-130	4		20
Benzene	105		101		70-130	4		20
Toluene	110		108		70-130	2		20
Ethylbenzene	109		109		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

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: WG690102-1 WG690102-2								
Chloromethane	74		77		64-130	4		20
Bromomethane	40		43		39-139	7		20
Vinyl chloride	61		60		55-140	2		20
Chloroethane	96		98		55-138	2		20
1,1-Dichloroethene	90		94		61-145	4		20
trans-1,2-Dichloroethene	106		101		70-130	5		20
Trichloroethene	100		96		70-130	4		20
1,2-Dichlorobenzene	108		106		70-130	2		20
1,3-Dichlorobenzene	109		107		70-130	2		20
1,4-Dichlorobenzene	110		107		70-130	3		20
Methyl tert butyl ether	93		96		63-130	3		20
p/m-Xylene	111		109		70-130	2		20
o-Xylene	109		107		70-130	2		20
cis-1,2-Dichloroethene	104		101		70-130	3		20
Dibromomethane	101		103		70-130	2		20
1,2,3-Trichloropropane	108		110		64-130	2		20
Acrylonitrile	89		92		70-130	3		20
Styrene	112		113		70-130	1		20
Dichlorodifluoromethane	73		73		36-147	0		20
Acetone	87		85		58-148	2		20
Carbon disulfide	90		89		51-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

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: WG690102-1 WG690102-2								
2-Butanone	94		93		63-138	1		20
Vinyl acetate	95		94		70-130	1		20
4-Methyl-2-pentanone	85		84		59-130	1		20
2-Hexanone	89		92		57-130	3		20
Bromochloromethane	97		97		70-130	0		20
2,2-Dichloropropane	103		100		63-133	3		20
1,2-Dibromoethane	106		104		70-130	2		20
1,3-Dichloropropane	107		113		70-130	5		20
1,1,1,2-Tetrachloroethane	97		96		64-130	1		20
Bromobenzene	109		116		70-130	6		20
n-Butylbenzene	113		114		53-136	1		20
sec-Butylbenzene	115		114		70-130	1		20
tert-Butylbenzene	112		111		70-130	1		20
o-Chlorotoluene	111		116		70-130	4		20
p-Chlorotoluene	113		115		70-130	2		20
1,2-Dibromo-3-chloropropane	69		80		41-144	15		20
Hexachlorobutadiene	102		96		63-130	6		20
Isopropylbenzene	112		112		70-130	0		20
p-Isopropyltoluene	114		114		70-130	0		20
Naphthalene	92		92		70-130	0		20
n-Propylbenzene	113		120		69-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

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: WG690102-1 WG690102-2								
1,2,3-Trichlorobenzene	83		81		70-130	2		20
1,2,4-Trichlorobenzene	93		92		70-130	1		20
1,3,5-Trimethylbenzene	113		115		64-130	2		20
1,2,4-Trimethylbenzene	113		113		70-130	0		20
1,4-Dioxane	93		92		56-162	1		20
p-Diethylbenzene	111		110		70-130	1		20
p-Ethyltoluene	114		116		70-130	2		20
1,2,4,5-Tetramethylbenzene	106		106		70-130	0		20
Ethyl ether	85		90		59-134	6		20
trans-1,4-Dichloro-2-butene	78		83		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	104		106		70-130
4-Bromofluorobenzene	96		102		70-130
Dibromofluoromethane	91		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG690294-1 WG690294-2								
Methylene chloride	95		93		70-130	2		30
1,1-Dichloroethane	100		96		70-130	4		30
Chloroform	102		99		70-130	3		30
Carbon tetrachloride	85		78		70-130	9		30
1,2-Dichloropropane	104		101		70-130	3		30
Dibromochloromethane	83		84		70-130	1		30
2-Chloroethylvinyl ether	98		96		70-130	2		30
1,1,2-Trichloroethane	100		102		70-130	2		30
Tetrachloroethene	84		80		70-130	5		30
Chlorobenzene	89		88		70-130	1		30
Trichlorofluoromethane	87		81		70-139	7		30
1,2-Dichloroethane	110		109		70-130	1		30
1,1,1-Trichloroethane	96		89		70-130	8		30
Bromodichloromethane	104		103		70-130	1		30
trans-1,3-Dichloropropene	84		87		70-130	4		30
cis-1,3-Dichloropropene	87		86		70-130	1		30
1,1-Dichloropropene	93		86		70-130	8		30
Bromoform	74		77		70-130	4		30
1,1,2,2-Tetrachloroethane	97		99		70-130	2		30
Benzene	98		94		70-130	4		30
Toluene	86		84		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG690294-1 WG690294-2								
Ethylbenzene	89		85		70-130	5		30
Chloromethane	85		81		52-130	5		30
Bromomethane	98		92		57-147	6		30
Vinyl chloride	87		79		67-130	10		30
Chloroethane	116		110		50-151	5		30
1,1-Dichloroethene	87		80		65-135	8		30
trans-1,2-Dichloroethene	88		83		70-130	6		30
Trichloroethene	97		91		70-130	6		30
1,2-Dichlorobenzene	88		87		70-130	1		30
1,3-Dichlorobenzene	88		87		70-130	1		30
1,4-Dichlorobenzene	88		88		70-130	0		30
Methyl tert butyl ether	85		87		66-130	2		30
p/m-Xylene	89		87		70-130	2		30
o-Xylene	89		88		70-130	1		30
cis-1,2-Dichloroethene	94		92		70-130	2		30
Dibromomethane	105		105		70-130	0		30
Styrene	85		84		70-130	1		30
Dichlorodifluoromethane	60		55		30-146	9		30
Acetone	120		122		54-140	2		30
Carbon disulfide	78		71		59-130	9		30
2-Butanone	104		106		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG690294-1 WG690294-2								
Vinyl acetate	102		104		70-130	2		30
4-Methyl-2-pentanone	86		88		70-130	2		30
1,2,3-Trichloropropane	96		98		68-130	2		30
2-Hexanone	81		84		70-130	4		30
Bromochloromethane	106		104		70-130	2		30
2,2-Dichloropropane	96		89		70-130	8		30
1,2-Dibromoethane	93		95		70-130	2		30
1,3-Dichloropropane	95		98		69-130	3		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	85		85		70-130	0		30
n-Butylbenzene	89		83		70-130	7		30
sec-Butylbenzene	85		81		70-130	5		30
tert-Butylbenzene	81		77		70-130	5		30
o-Chlorotoluene	90		88		70-130	2		30
p-Chlorotoluene	88		86		70-130	2		30
1,2-Dibromo-3-chloropropane	76		79		68-130	4		30
Hexachlorobutadiene	82		77		67-130	6		30
Isopropylbenzene	80		76		70-130	5		30
p-Isopropyltoluene	76		73		70-130	4		30
Naphthalene	80		82		70-130	2		30
Acrylonitrile	104		107		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG690294-1 WG690294-2								
Isopropyl Ether	99		100		66-130	1		30
tert-Butyl Alcohol	96		98		70-130	2		30
n-Propylbenzene	85		81		70-130	5		30
1,2,3-Trichlorobenzene	85		86		70-130	1		30
1,2,4-Trichlorobenzene	81		80		70-130	1		30
1,3,5-Trimethylbenzene	87		84		70-130	4		30
1,2,4-Trimethylbenzene	86		84		70-130	2		30
Methyl Acetate	108		108		51-146	0		30
Ethyl Acetate	104		106		70-130	2		30
Acrolein	91		89		70-130	2		30
Cyclohexane	94		85		59-142	10		30
1,4-Dioxane	103		104		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	92		83		50-139	10		30
1,4-Diethylbenzene	80		77		70-130	4		30
4-Ethyltoluene	84		81		70-130	4		30
1,2,4,5-Tetramethylbenzene	78		75		70-130	4		30
Tetrahydrofuran	93		95		66-130	2		30
Ethyl ether	83		84		67-130	1		30
trans-1,4-Dichloro-2-butene	87		89		70-130	2		30
Methyl cyclohexane	88		79		70-130	11		30
Ethyl-Tert-Butyl-Ether	94		96		70-130	2		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG690294-1 WG690294-2								
Tertiary-Amyl Methyl Ether	93		94		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		109		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	110		107		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG690294-4 WG690294-5 QC Sample: L1410189-01 Client ID: A4-SW (8')												
Methylene chloride	ND	24.7	27	109		27	108		70-130	0		30
1,1-Dichloroethane	ND	24.7	29	116		29	114		70-130	0		30
Chloroform	ND	24.7	29	116		29	115		70-130	1		30
Carbon tetrachloride	ND	24.7	25	103		26	102		70-130	2		30
1,2-Dichloropropane	ND	24.7	28	114		28	112		70-130	0		30
Dibromochloromethane	ND	24.7	22	87		22	88		70-130	3		30
1,1,2-Trichloroethane	ND	24.7	26	104		26	103		70-130	1		30
Tetrachloroethene	ND	24.7	25	102		26	101		70-130	2		30
Chlorobenzene	ND	24.7	25	100		25	98		70-130	0		30
Trichlorofluoromethane	ND	24.7	27	108		27	107		70-139	0		30
1,2-Dichloroethane	ND	24.7	29	116		29	114		70-130	0		30
1,1,1-Trichloroethane	ND	24.7	31	124		31	124		70-130	2		30
Bromodichloromethane	ND	24.7	28	113		28	111		70-130	0		30
trans-1,3-Dichloropropene	ND	24.7	22	89		23	89		70-130	2		30
cis-1,3-Dichloropropene	ND	24.7	23	93		23	92		70-130	1		30
1,1-Dichloropropene	ND	24.7	28	114		29	114		70-130	2		30
Bromoform	ND	24.7	19	75		19	76		70-130	4		30
1,1,2,2-Tetrachloroethane	ND	24.7	24	96		24	96		70-130	2		30
Benzene	ND	24.7	28	114		28	113		70-130	1		30
Toluene	ND	24.7	24	98		25	99		70-130	2		30
Ethylbenzene	ND	24.7	26	104		26	103		70-130	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG690294-4 WG690294-5 QC Sample: L1410189-01 Client ID: A4-SW (8')												
Chloromethane	ND	24.7	26	106		27	106		52-130	2		30
Bromomethane	ND	24.7	29	116		29	115		57-147	1		30
Vinyl chloride	ND	24.7	28	113		28	111		67-130	0		30
Chloroethane	ND	24.7	36	146		35	137		50-151	4		30
1,1-Dichloroethene	ND	24.7	27	107		27	107		65-135	2		30
trans-1,2-Dichloroethene	ND	24.7	26	106		26	104		70-130	0		30
Trichloroethene	ND	24.7	29	117		29	114		70-130	0		30
1,2-Dichlorobenzene	ND	24.7	23	91		23	92		70-130	2		30
1,3-Dichlorobenzene	ND	24.7	24	95		24	94		70-130	0		30
1,4-Dichlorobenzene	ND	24.7	23	94		23	92		70-130	0		30
Methyl tert butyl ether	ND	24.7	21	86		22	86		66-130	2		30
p/m-Xylene	ND	49.4	51	103		52	102		70-130	1		30
o-Xylene	ND	49.4	50	101		50	99		70-130	1		30
cis-1,2-Dichloroethene	ND	24.7	26	106		27	105		70-130	2		30
Dibromomethane	ND	24.7	27	110		27	108		70-130	1		30
Styrene	ND	49.4	46	94		47	93		70-130	1		30
Dichlorodifluoromethane	ND	24.7	19	76		19	76		30-146	1		30
Acetone	ND	24.7	33	132		34	133		54-140	3		30
Carbon disulfide	ND	24.7	24	98		25	97		59-130	1		30
2-Butanone	ND	24.7	25	100		26	102		70-130	4		30
Vinyl acetate	ND	24.7	25	100		24	96		70-130	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG690294-4 WG690294-5 QC Sample: L1410189-01 Client ID: A4-SW (8')												
4-Methyl-2-pentanone	ND	24.7	20	82		22	86		70-130	7		30
1,2,3-Trichloropropane	ND	24.7	24	95		24	97		68-130	3		30
2-Hexanone	ND	24.7	19	77		20	81		70-130	7		30
Bromochloromethane	ND	24.7	28	113		28	111		70-130	1		30
2,2-Dichloropropane	ND	24.7	29	116		29	114		70-130	0		30
1,2-Dibromoethane	ND	24.7	23	95		24	96		70-130	3		30
1,3-Dichloropropane	ND	24.7	24	98		25	99		69-130	3		30
1,1,1,2-Tetrachloroethane	ND	24.7	25	103		26	102		70-130	1		30
Bromobenzene	ND	24.7	22	89		23	89		70-130	2		30
n-Butylbenzene	ND	24.7	26	104		25	100		70-130	2		30
sec-Butylbenzene	ND	24.7	25	100		25	99		70-130	0		30
tert-Butylbenzene	ND	24.7	23	94		24	93		70-130	1		30
o-Chlorotoluene	ND	24.7	25	101		25	101		70-130	2		30
p-Chlorotoluene	ND	24.7	24	97		24	97		70-130	2		30
1,2-Dibromo-3-chloropropane	ND	24.7	18	73		19	76		68-130	6		30
Hexachlorobutadiene	ND	24.7	22	89		22	85		67-130	2		30
Isopropylbenzene	ND	24.7	23	92		23	93		70-130	3		30
p-Isopropyltoluene	ND	24.7	22	87		22	86		70-130	1		30
Naphthalene	ND	24.7	19	77		20	77		70-130	2		30
Acrylonitrile	ND	24.7	25	100		25	100		70-130	2		30
n-Propylbenzene	ND	24.7	24	99		25	98		70-130	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG690294-4 WG690294-5 QC Sample: L1410189-01 Client ID: A4-SW (8')												
1,2,3-Trichlorobenzene	ND	24.7	22	87		21	84		70-130	2		30
1,2,4-Trichlorobenzene	ND	24.7	20	82		21	82		70-130	2		30
1,3,5-Trimethylbenzene	ND	24.7	24	98		25	98		70-130	2		30
1,2,4-Trimethylbenzene	ND	24.7	24	97		24	96		70-130	1		30
1,4-Dioxane	ND	1240	1200	95		1300	101		65-136	7		30
1,4-Diethylbenzene	ND	24.7	23	93		23	92		70-130	1		30
4-Ethyltoluene	ND	24.7	24	97		24	95		70-130	0		30
1,2,4,5-Tetramethylbenzene	ND	24.7	21	83		21	82		70-130	1		30
Ethyl ether	ND	24.7	21	83		21	83		67-130	2		30
trans-1,4-Dichloro-2-butene	ND	24.7	21	86		22	87		70-130	2		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	113		111		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	109		109		70-130
Toluene-d8	97		98		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01
Client ID: A4-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/17/14 22:12
Analyst: PS
Percent Solids: 76%

Date Collected: 05/13/14 10:45
Date Received: 05/13/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/14/14 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	71.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
1,2-Dichlorobenzene	ND		ug/kg	220	71.	1
1,3-Dichlorobenzene	ND		ug/kg	220	68.	1
1,4-Dichlorobenzene	ND		ug/kg	220	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	ND		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	76.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	66.	1
Hexachlorobutadiene	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	140	1
Hexachloroethane	ND		ug/kg	170	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	ND		ug/kg	220	72.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	42.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	53.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01

Date Collected: 05/13/14 10:45

Client ID: A4-SW (8')

Date Received: 05/13/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	44.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	43.	1
Acenaphthylene	ND		ug/kg	170	41.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	45.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	48.	1
Pyrene	ND		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	57.	1
2-Nitroaniline	ND		ug/kg	220	61.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	ND		ug/kg	220	72.	1
2-Methylnaphthalene	ND		ug/kg	260	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	67.	1
Acetophenone	ND		ug/kg	220	67.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
P-Chloro-M-Cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	70.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	300	70.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	80.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	220	64.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	70.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	47.	1

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01

Date Collected: 05/13/14 10:45

Client ID: A4-SW (8')

Date Received: 05/13/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	81		18-120

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/17/14 20:15
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/14/14 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG689491-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/17/14 20:15
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/14/14 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG689491-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/17/14 20:15
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/14/14 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG689491-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG689491-2 WG689491-3								
Acenaphthene	76		74		31-137	3		50
1,2,4-Trichlorobenzene	70		62		38-107	12		50
Hexachlorobenzene	86		87		40-140	1		50
Bis(2-chloroethyl)ether	65		56		40-140	15		50
2-Chloronaphthalene	77		68		40-140	12		50
1,2-Dichlorobenzene	72		62		40-140	15		50
1,3-Dichlorobenzene	70		60		40-140	15		50
1,4-Dichlorobenzene	71		62		28-104	14		50
3,3'-Dichlorobenzidine	71		76		40-140	7		50
2,4-Dinitrotoluene	96	Q	99	Q	28-89	3		50
2,6-Dinitrotoluene	89		88		40-140	1		50
Fluoranthene	93		95		40-140	2		50
4-Chlorophenyl phenyl ether	82		80		40-140	2		50
4-Bromophenyl phenyl ether	85		86		40-140	1		50
Bis(2-chloroisopropyl)ether	68		59		40-140	14		50
Bis(2-chloroethoxy)methane	69		59		40-117	16		50
Hexachlorobutadiene	74		64		40-140	14		50
Hexachlorocyclopentadiene	60		52		40-140	14		50
Hexachloroethane	70		62		40-140	12		50
Isophorone	77		68		40-140	12		50
Naphthalene	74		63		40-140	16		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG689491-2 WG689491-3								
Nitrobenzene	74		63		40-140	16		50
NitrosoDiPhenylAmine(NDPA)/DPA	89		91			2		50
n-Nitrosodi-n-propylamine	72		63		32-121	13		50
Bis(2-ethylhexyl)phthalate	101		109		40-140	8		50
Butyl benzyl phthalate	105		105		40-140	0		50
Di-n-butylphthalate	98		101		40-140	3		50
Di-n-octylphthalate	112		114		40-140	2		50
Diethyl phthalate	87		91		40-140	4		50
Dimethyl phthalate	85		88		40-140	3		50
Benzo(a)anthracene	91		94		40-140	3		50
Benzo(a)pyrene	97		99		40-140	2		50
Benzo(b)fluoranthene	93		94		40-140	1		50
Benzo(k)fluoranthene	87		90		40-140	3		50
Chrysene	87		88		40-140	1		50
Acenaphthylene	83		77		40-140	8		50
Anthracene	92		95		40-140	3		50
Benzo(ghi)perylene	87		90		40-140	3		50
Fluorene	83		83		40-140	0		50
Phenanthrene	87		89		40-140	2		50
Dibenzo(a,h)anthracene	92		94		40-140	2		50
Indeno(1,2,3-cd)pyrene	95		97		40-140	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG689491-2 WG689491-3								
Pyrene	91		93		35-142	2		50
Biphenyl	74		69			7		50
4-Chloroaniline	69		69		40-140	0		50
2-Nitroaniline	90		90		47-134	0		50
3-Nitroaniline	79		82		26-129	4		50
4-Nitroaniline	95		95		41-125	0		50
Dibenzofuran	79		78		40-140	1		50
2-Methylnaphthalene	74		66		40-140	11		50
1,2,4,5-Tetrachlorobenzene	73		65		40-117	12		50
Acetophenone	74		66		14-144	11		50
2,4,6-Trichlorophenol	86		81		30-130	6		50
P-Chloro-M-Cresol	91		86		26-103	6		50
2-Chlorophenol	74		64		25-102	14		50
2,4-Dichlorophenol	81		72		30-130	12		50
2,4-Dimethylphenol	74		66		30-130	11		50
2-Nitrophenol	76		68		30-130	11		50
4-Nitrophenol	100		100		11-114	0		50
2,4-Dinitrophenol	82		83		4-130	1		50
4,6-Dinitro-o-cresol	88		91		10-130	3		50
Pentachlorophenol	99		103		17-109	4		50
Phenol	77		67		26-90	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG689491-2 WG689491-3								
2-Methylphenol	75		67		30-130.	11		50
3-Methylphenol/4-Methylphenol	75		66		30-130	13		50
2,4,5-Trichlorophenol	97		92		30-130	5		50
Benzoic Acid	74		70			6		50
Benzyl Alcohol	84		71		40-140	17		50
Carbazole	92		94		54-128	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		62		25-120
Phenol-d6	73		62		10-120
Nitrobenzene-d5	72		59		23-120
2-Fluorobiphenyl	75		66		30-120
2,4,6-Tribromophenol	85		86		0-136
4-Terphenyl-d14	89		88		18-120

PCBS

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01
Client ID: A4-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/16/14 16:59
Analyst: JW
Percent Solids: 76%

Date Collected: 05/13/14 10:45
Date Received: 05/13/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/15/14 04:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/16/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.9	3.39	1	A
Aroclor 1221	ND		ug/kg	42.9	3.95	1	A
Aroclor 1232	ND		ug/kg	42.9	5.03	1	A
Aroclor 1242	ND		ug/kg	42.9	5.25	1	A
Aroclor 1248	ND		ug/kg	42.9	3.62	1	A
Aroclor 1254	ND		ug/kg	42.9	3.52	1	A
Aroclor 1260	ND		ug/kg	42.9	3.27	1	A
Aroclor 1262	ND		ug/kg	42.9	2.13	1	A
Aroclor 1268	ND		ug/kg	42.9	6.22	1	A
PCBs, Total	ND		ug/kg	42.9	2.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/16/14 18:32
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 05/15/14 04:46
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/16/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG689714-1						
Aroclor 1016	ND		ug/kg	31.8	2.51	A
Aroclor 1221	ND		ug/kg	31.8	2.93	A
Aroclor 1232	ND		ug/kg	31.8	3.73	A
Aroclor 1242	ND		ug/kg	31.8	3.89	A
Aroclor 1248	ND		ug/kg	31.8	2.68	A
Aroclor 1254	ND		ug/kg	31.8	2.61	A
Aroclor 1260	ND		ug/kg	31.8	2.42	A
Aroclor 1262	ND		ug/kg	31.8	1.58	A
Aroclor 1268	ND		ug/kg	31.8	4.61	A
PCBs, Total	ND		ug/kg	31.8	1.58	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	112		30-150	B
Decachlorobiphenyl	102		30-150	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG689714-2 WG689714-3									
Aroclor 1016	80		89		40-140	11		50	A
Aroclor 1260	80		91		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		101		30-150	A
Decachlorobiphenyl	89		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		93		30-150	B
Decachlorobiphenyl	99		111		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**SAMPLE RESULTS**

Lab ID: L1410189-01
Client ID: A4-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/17/14 08:38
Analyst: SH
Percent Solids: 76%

Date Collected: 05/13/14 10:45
Date Received: 05/13/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/15/14 03:47
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.07	0.405	1	A
Lindane	ND		ug/kg	0.862	0.385	1	A
Alpha-BHC	ND		ug/kg	0.862	0.245	1	A
Beta-BHC	ND		ug/kg	2.07	0.784	1	A
Heptachlor	ND		ug/kg	1.03	0.464	1	A
Aldrin	ND		ug/kg	2.07	0.728	1	A
Heptachlor epoxide	ND		ug/kg	3.88	1.16	1	A
Endrin	ND		ug/kg	0.862	0.353	1	A
Dieldrin	ND		ug/kg	1.29	0.646	1	A
4,4'-DDE	ND		ug/kg	2.07	0.478	1	A
4,4'-DDD	ND		ug/kg	2.07	0.738	1	A
4,4'-DDT	ND		ug/kg	3.88	1.66	1	A
Endosulfan I	ND		ug/kg	2.07	0.488	1	A
Endosulfan II	ND		ug/kg	2.07	0.691	1	A
Endosulfan sulfate	ND		ug/kg	0.862	0.410	1	A
Methoxychlor	ND		ug/kg	3.88	1.21	1	A
cis-Chlordane	ND		ug/kg	2.58	0.720	1	A
trans-Chlordane	ND		ug/kg	2.58	0.682	1	A
Chlordane	ND		ug/kg	16.8	6.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/17/14 06:49
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 05/15/14 03:47
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG689707-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.304	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	57		30-150	B
Decachlorobiphenyl	55		30-150	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG689707-2 WG689707-3									
Delta-BHC	90		98		30-150	9		30	A
Lindane	90		96		30-150	6		30	A
Alpha-BHC	93		100		30-150	7		30	A
Beta-BHC	83		89		30-150	7		30	A
Heptachlor	95		102		30-150	7		30	A
Aldrin	92		100		30-150	8		30	A
Heptachlor epoxide	84		93		30-150	10		30	A
Endrin	86		94		30-150	9		30	A
Endrin ketone	73		77		30-150	5		30	A
Dieldrin	84		93		30-150	10		30	A
4,4'-DDE	84		93		30-150	10		30	A
4,4'-DDD	84		94		30-150	11		30	A
4,4'-DDT	93		99		30-150	6		30	A
Endosulfan I	84		94		30-150	11		30	A
Endosulfan II	81		86		30-150	6		30	A
Endosulfan sulfate	78		82		30-150	5		30	A
Methoxychlor	86		84		30-150	2		30	A
cis-Chlordane	81		91		30-150	12		30	A
trans-Chlordane	83		92		30-150	10		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG689707-2 WG689707-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		83		30-150	A
Decachlorobiphenyl	57		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		83		30-150	B
Decachlorobiphenyl	58		61		30-150	B

METALS

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

SAMPLE RESULTS

Lab ID: L1410189-01

Date Collected: 05/13/14 10:45

Client ID: A4-SW (8')

Date Received: 05/13/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2000		mg/kg	10	2.0	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.1	0.82	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Arsenic, Total	2.2		mg/kg	1.0	0.20	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Barium, Total	19		mg/kg	1.0	0.31	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Beryllium, Total	0.16	J	mg/kg	0.51	0.10	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	1.0	0.07	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Calcium, Total	560		mg/kg	10	3.1	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Chromium, Total	6.7		mg/kg	1.0	0.20	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Cobalt, Total	2.4		mg/kg	2.0	0.51	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Copper, Total	7.6		mg/kg	1.0	0.20	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Iron, Total	5600		mg/kg	5.1	2.0	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Lead, Total	5.7		mg/kg	5.1	0.20	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Magnesium, Total	920		mg/kg	10	1.0	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	1.0	0.20	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	05/19/14 07:39	05/19/14 10:53	EPA 7471B	1,7471B	MC
Nickel, Total	7.2		mg/kg	2.6	0.41	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Potassium, Total	410		mg/kg	260	41.	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.31	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.0	0.20	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Sodium, Total	270		mg/kg	200	31.	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.41	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Vanadium, Total	7.3		mg/kg	1.0	0.10	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT
Zinc, Total	13		mg/kg	5.1	0.72	2	05/16/14 10:45	05/16/14 14:51	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG689923-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/19/14 07:39	05/19/14 10:49	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG690119-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	05/16/14 10:45	05/16/14 14:44	1,6010C	TT

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG689923-2 SRM Lot Number: 0518-10-02								
Mercury, Total	127		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG690119-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	85	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	86	-	51-150	-	
Lead, Total	94	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	100	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG690119-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG689923-3 WG689923-4 QC Sample: L1410189-01 Client ID: A4-SW (8')												
Mercury, Total	ND	0.181	0.23	127	Q	0.22	131	Q	80-120	4		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01			QC Batch ID: WG690119-3			WG690119-4	QC Sample: L1410189-01			Client ID: A4-SW (8')		
Aluminum, Total	2000	199	3000	501	Q	3700	841	Q	75-125	21	Q	20
Antimony, Total	ND	49.9	48	96		48	95		75-125	0		20
Arsenic, Total	2.2	12	14	98		15	106		75-125	7		20
Barium, Total	19.	199	220	101		230	104		75-125	4		20
Beryllium, Total	0.16J	4.99	5.1	102		5.3	105		75-125	4		20
Cadmium, Total	ND	5.09	5.0	98		5.1	99		75-125	2		20
Calcium, Total	560	997	1700	114		1800	123		75-125	6		20
Chromium, Total	6.7	19.9	29	112		30	115		75-125	3		20
Cobalt, Total	2.4	49.9	52	99		53	100		75-125	2		20
Copper, Total	7.6	24.9	32	98		33	100		75-125	3		20
Iron, Total	5600	99.7	6700	1100	Q	8000	2380	Q	75-125	18		20
Lead, Total	5.7	50.9	55	97		57	100		75-125	4		20
Magnesium, Total	920	997	2300	138	Q	2500	156	Q	75-125	8		20
Manganese, Total	320	49.9	280	0	Q	310	0	Q	75-125	10		20
Nickel, Total	7.2	49.9	57	100		58	100		75-125	2		20
Potassium, Total	410	997	1600	119		1700	128	Q	75-125	6		20
Selenium, Total	ND	12	12	100		12	99		75-125	0		20
Silver, Total	ND	29.9	29	97		30	99		75-125	3		20
Sodium, Total	270	997	1300	103		1400	112		75-125	7		20
Thallium, Total	ND	12	11	92		11	91		75-125	0		20
Vanadium, Total	7.3	49.9	60	106		62	108		75-125	3		20

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH ST.

Lab Number: L1410189

Project Number: E040

Report Date: 05/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG690119-3 WG690119-4 QC Sample: L1410189-01 Client ID: A4-SW (8')									
Zinc, Total	13.	49.9	61	96	64	101	75-125	5	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1410189**Report Date:** 05/20/14**SAMPLE RESULTS****Lab ID:** L1410189-01**Client ID:** A4-SW (8')**Sample Location:** 520 W. 28TH ST., NYC**Matrix:** Soil**Date Collected:** 05/13/14 10:45**Date Received:** 05/13/14**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	76.3		%	0.100	NA	1	-	05/14/14 22:02	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH ST.**Project Number:** E040**Lab Number:** L1410189**Report Date:** 05/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG689667-1 QC Sample: L1410144-01 Client ID: DUP Sample						
Solids, Total	88.8	87.9	%	1		20

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 05/14/2014 02:15

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410189-01A	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01A1	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01A2	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01B	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01B1	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01B2	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01C	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01C1	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01C2	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1410189-01D	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)
L1410189-01D1	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)
L1410189-01D2	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)
L1410189-01E	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH ST.

Project Number: E040

Lab Number: L1410189

Report Date: 05/20/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410189-01F	Amber 250ml unpreserved	A	N/A	3.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1410189-01X	Vial MeOH preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1410189-01X1	Vial MeOH preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1410189-01Y	Vial Water preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1410189-01Z	Vial Water preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1410189-02A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1410189-02B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14

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: 520 WEST 28TH ST.**Lab Number:** L1410189**Project Number:** E040**Report Date:** 05/20/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH ST.
Project Number: E040

Lab Number: L1410189
Report Date: 05/20/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



NEW YORK CHAIN OF CUSTODY

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page

of

Date Rec'd
in-Lab

5/13/14

Serial No 05201416.42

ALPHA Job # 21410189

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: 520 WEST 28TH ST.
Project Location: 520 W 28TH ST., NYC

Project # ED40

(Use Project name as Project #) ☐

Project Manager: ALANA CARROLL

ALPHAQuote #:

Turn-Around Time

Standard ☒

Due Date: 5/20/14

Rush (only if pre approved) ☐

of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQUIS (1 File) ☐ EQUIS (4 File)
☒ Other

Billing Information

☐ Same as Client Info
PO #

Client Information

Client: INTEGRAL CONSULTING INC.

Address: 61 BROADWAY SUITE 1601
NY, NY

Phone: 212-440-6715

Fax: SMCTAVBY@INTEGRAL-CORP.COM

Email: ACARROLL@ " " "

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☒ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL VOC'S VIA 8260C
PART 375 + CP-51
TCL SVOC'S VIA 8270D
PART 375 + CP-51
TAL METALS VIA 6300C
7-17-18 PART 375 + CP-51
TOTAL PCB'S VIA 8082A
PART 375 + CP-51
PESTICIDES VIA 8081B
PART 375 + CP-51

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Total Bottle
		Date	Time													
10/89	A4-SW (8')	5/13/14	10:45	S	SM	X	X	X	X	X						6
01	A4-SW (8') MS			S	SM	X										4
01	AW-SW (8') MSD			S	SM	X										4
02	TRIP BLANK			AQ		X										2

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

V/E A A A A

Preservative

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

(See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
<u>SM</u>	<u>5/13/14 15:40</u>	<u>AAL</u>	<u>5-13-14 1540</u>
<u>KE</u>	<u>5-13-14 1835</u>	<u>Tom TOWN</u>	<u>5-13-14 1835</u>
<u>Tom TOWN</u>	<u>5-14-14 0053</u>	<u>Thomas TOWN</u>	<u>5/14/14 0053</u>



ANALYTICAL REPORT

Lab Number:	L1409762
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W.28TH ST.
Project Number:	E040
Report Date:	05/14/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 W.28TH ST.
Project Number: E040

Lab Number: L1409762
Report Date: 05/14/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1409762-01	A5-SW (9.5')	520 W.28TH ST., NYC	05/07/14 14:30
L1409762-02	DUPLICATE	520 W.28TH ST., NYC	05/07/14 00:00
L1409762-03	TRIP BLANK	520 W.28TH ST., NYC	05/07/14 00:00

Project Name: 520 W.28TH ST.
Project Number: E040

Lab Number: L1409762
Report Date: 05/14/14

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: 520 W.28TH ST.
Project Number: E040

Lab Number: L1409762
Report Date: 05/14/14

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.

Total Metals

L1409762-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

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: 05/14/14

ORGANICS

VOLATILES

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01
Client ID: A5-SW (9.5')
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/14 16:32
Analyst: MV
Percent Solids: 79%

Date Collected: 05/07/14 14:30
Date Received: 05/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	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	0.51	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	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	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	ND		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: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01

Date Collected: 05/07/14 14:30

Client ID: A5-SW (9.5')

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
Xylene (Total)	ND		ug/kg	2.2	0.30	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	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	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	0.25	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	0.23	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	0.64	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01

Date Collected: 05/07/14 14:30

Client ID: A5-SW (9.5')

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
4-Ethyltoluene	ND		ug/kg	4.5	0.13	1
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	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02
Client ID: DUPLICATE
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/14 16:59
Analyst: MV
Percent Solids: 78%

Date Collected: 05/07/14 00:00
Date Received: 05/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02

Date Collected: 05/07/14 00:00

Client ID: DUPLICATE

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
Xylene (Total)	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.0	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.0	0.68	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.95	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.0	0.93	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.19	1

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02

Date Collected: 05/07/14 00:00

Client ID: DUPLICATE

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
4-Ethyltoluene	ND		ug/kg	4.8	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-03
Client ID: TRIP BLANK
Sample Location: 520 W.28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/12/14 18:36
Analyst: PD

Date Collected: 05/07/14 00:00
Date Received: 05/09/14
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: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-03

Date Collected: 05/07/14 00:00

Client ID: TRIP BLANK

Date Received: 05/09/14

Sample Location: 520 W.28TH ST., NYC

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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

SAMPLE RESULTS

Lab ID: L1409762-03

Date Collected: 05/07/14 00:00

Client ID: TRIP BLANK

Date Received: 05/09/14

Sample Location: 520 W.28TH ST., NYC

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	107		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	83		70-130

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/09/14 14:48
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG688750-3					
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: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/09/14 14:48
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG688750-3					
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
Xylene (Total)	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



Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/09/14 14:48
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG688750-3					
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8260C**Analytical Date:** 05/09/14 14:48**Analyst:** MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG688750-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/12/14 10:49
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG688980-3					
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: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/12/14 10:49
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG688980-3					
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: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/12/14 10:49
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG688980-3					
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	104		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG688750-1 WG688750-2								
Methylene chloride	97		101		70-130	4		30
1,1-Dichloroethane	99		104		70-130	5		30
Chloroform	93		98		70-130	5		30
Carbon tetrachloride	87		92		70-130	6		30
1,2-Dichloropropane	97		101		70-130	4		30
Dibromochloromethane	98		101		70-130	3		30
1,1,2-Trichloroethane	104		108		70-130	4		30
Tetrachloroethene	94		98		70-130	4		30
Chlorobenzene	97		101		70-130	4		30
Trichlorofluoromethane	79		85		70-139	7		30
1,2-Dichloroethane	95		99		70-130	4		30
1,1,1-Trichloroethane	90		96		70-130	6		30
Bromodichloromethane	91		95		70-130	4		30
trans-1,3-Dichloropropene	103		108		70-130	5		30
cis-1,3-Dichloropropene	91		96		70-130	5		30
1,1-Dichloropropene	92		97		70-130	5		30
Bromoform	100		102		70-130	2		30
1,1,2,2-Tetrachloroethane	104		108		70-130	4		30
Benzene	92		97		70-130	5		30
Toluene	97		101		70-130	4		30
Ethylbenzene	96		101		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG688750-1 WG688750-2								
Chloromethane	110		114		52-130	4		30
Bromomethane	94		96		57-147	2		30
Vinyl chloride	90		95		67-130	5		30
Chloroethane	87		94		50-151	8		30
1,1-Dichloroethene	93		97		65-135	4		30
trans-1,2-Dichloroethene	93		97		70-130	4		30
Trichloroethene	89		93		70-130	4		30
1,2-Dichlorobenzene	101		104		70-130	3		30
1,3-Dichlorobenzene	100		101		70-130	1		30
1,4-Dichlorobenzene	101		102		70-130	1		30
Methyl tert butyl ether	89		93		66-130	4		30
p/m-Xylene	96		100		70-130	4		30
o-Xylene	94		99		70-130	5		30
cis-1,2-Dichloroethene	93		96		70-130	3		30
Dibromomethane	92		97		70-130	5		30
Styrene	93		96		70-130	3		30
Dichlorodifluoromethane	92		97		30-146	5		30
Acetone	109		100		54-140	9		30
Carbon disulfide	95		99		59-130	4		30
2-Butanone	93		95		70-130	2		30
Vinyl acetate	95		101		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG688750-1 WG688750-2								
4-Methyl-2-pentanone	88		90		70-130	2		30
1,2,3-Trichloropropane	111		114		68-130	3		30
2-Hexanone	96		100		70-130	4		30
Bromochloromethane	90		93		70-130	3		30
2,2-Dichloropropane	95		99		70-130	4		30
1,2-Dibromoethane	100		106		70-130	6		30
1,3-Dichloropropane	103		108		69-130	5		30
1,1,1,2-Tetrachloroethane	96		102		70-130	6		30
Bromobenzene	101		104		70-130	3		30
n-Butylbenzene	106		107		70-130	1		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		108		70-130	6		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	105		108		70-130	3		30
1,2-Dibromo-3-chloropropane	100		98		68-130	2		30
Hexachlorobutadiene	95		98		67-130	3		30
Isopropylbenzene	102		106		70-130	4		30
p-Isopropyltoluene	103		105		70-130	2		30
Naphthalene	104		108		70-130	4		30
Acrylonitrile	100		102		70-130	2		30
Isopropyl Ether	102		107		66-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG688750-1 WG688750-2								
tert-Butyl Alcohol	95		97		70-130	2		30
n-Propylbenzene	103		106		70-130	3		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	104		108		70-130	4		30
1,2,4-Trimethylbenzene	104		107		70-130	3		30
Methyl Acetate	106		111		51-146	5		30
Ethyl Acetate	101		103		70-130	2		30
Acrolein	104		112		70-130	7		30
Cyclohexane	98		104		59-142	6		30
1,4-Dioxane	79		85		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		104		50-139	5		30
1,4-Diethylbenzene	100		101		70-130	1		30
4-Ethyltoluene	102		105		70-130	3		30
1,2,4,5-Tetramethylbenzene	100		102		70-130	2		30
Tetrahydrofuran	94		93		66-130	1		30
Ethyl ether	75		79		67-130	5		30
trans-1,4-Dichloro-2-butene	110		107		70-130	3		30
Methyl cyclohexane	95		101		70-130	6		30
Ethyl-Tert-Butyl-Ether	98		103		70-130	5		30
Tertiary-Amyl Methyl Ether	95		99		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG688750-1 WG688750-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG688980-1 WG688980-2								
Methylene chloride	97		97		70-130	0		20
1,1-Dichloroethane	95		94		70-130	1		20
Chloroform	96		94		70-130	2		20
Carbon tetrachloride	92		90		63-132	2		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	98		100		63-130	2		20
1,1,2-Trichloroethane	108		109		70-130	1		20
Tetrachloroethene	107		104		70-130	3		20
Chlorobenzene	103		103		75-130	0		20
Trichlorofluoromethane	81		80		62-150	1		20
1,2-Dichloroethane	93		92		70-130	1		20
1,1,1-Trichloroethane	92		90		67-130	2		20
Bromodichloromethane	90		89		67-130	1		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	86		85		70-130	1		20
1,1-Dichloropropene	98		96		70-130	2		20
Bromoform	98		98		54-136	0		20
1,1,2,2-Tetrachloroethane	113		112		67-130	1		20
Benzene	98		96		70-130	2		20
Toluene	107		106		70-130	1		20
Ethylbenzene	107		106		70-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG688980-1 WG688980-2								
Chloromethane	86		87		64-130	1		20
Bromomethane	66		62		39-139	6		20
Vinyl chloride	70		68		55-140	3		20
Chloroethane	97		96		55-138	1		20
1,1-Dichloroethene	89		84		61-145	6		20
trans-1,2-Dichloroethene	95		91		70-130	4		20
Trichloroethene	94		90		70-130	4		20
1,2-Dichlorobenzene	102		102		70-130	0		20
1,3-Dichlorobenzene	104		104		70-130	0		20
1,4-Dichlorobenzene	104		102		70-130	2		20
Methyl tert butyl ether	90		88		63-130	2		20
p/m-Xylene	104		104		70-130	0		20
o-Xylene	102		102		70-130	0		20
cis-1,2-Dichloroethene	95		92		70-130	3		20
Dibromomethane	94		93		70-130	1		20
1,2,3-Trichloropropane	116		112		64-130	4		20
Acrylonitrile	89		88		70-130	1		20
Styrene	106		106		70-130	0		20
Dichlorodifluoromethane	101		96		36-147	5		20
Acetone	92		88		58-148	4		20
Carbon disulfide	93		88		51-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG688980-1 WG688980-2								
2-Butanone	93		93		63-138	0		20
Vinyl acetate	101		90		70-130	12		20
4-Methyl-2-pentanone	79		78		59-130	1		20
2-Hexanone	95		92		57-130	3		20
Bromochloromethane	86		85		70-130	1		20
2,2-Dichloropropane	102		99		63-133	3		20
1,2-Dibromoethane	102		100		70-130	2		20
1,3-Dichloropropane	104		104		70-130	0		20
1,1,1,2-Tetrachloroethane	97		97		64-130	0		20
Bromobenzene	104		106		70-130	2		20
n-Butylbenzene	111		110		53-136	1		20
sec-Butylbenzene	114		112		70-130	2		20
tert-Butylbenzene	110		109		70-130	1		20
o-Chlorotoluene	111		111		70-130	0		20
p-Chlorotoluene	113		111		70-130	2		20
1,2-Dibromo-3-chloropropane	91		83		41-144	9		20
Hexachlorobutadiene	95		89		63-130	7		20
Isopropylbenzene	113		112		70-130	1		20
p-Isopropyltoluene	112		110		70-130	2		20
Naphthalene	94		88		70-130	7		20
n-Propylbenzene	116		115		69-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG688980-1 WG688980-2								
1,2,3-Trichlorobenzene	84		79		70-130	6		20
1,2,4-Trichlorobenzene	89		87		70-130	2		20
1,3,5-Trimethylbenzene	111		112		64-130	1		20
1,2,4-Trimethylbenzene	109		108		70-130	1		20
1,4-Dioxane	86		84		56-162	2		20
p-Diethylbenzene	106		105		70-130	1		20
p-Ethyltoluene	112		111		70-130	1		20
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		20
Ethyl ether	82		81		59-134	1		20
trans-1,4-Dichloro-2-butene	90		87		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	109		111		70-130
4-Bromofluorobenzene	101		103		70-130
Dibromofluoromethane	90		88		70-130

SEMIVOLATILES

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01
Client ID: A5-SW (9.5')
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/10/14 03:25
Analyst: JB
Percent Solids: 79%

Date Collected: 05/07/14 14:30
Date Received: 05/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/08/14 08:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	96	J	ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	44	J	ug/kg	120	40.	1

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01

Date Collected: 05/07/14 14:30

Client ID: A5-SW (9.5')

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	54	J	ug/kg	160	51.	1
Benzo(b)fluoranthene	50	J	ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	44	J	ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	160	39.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	73	J	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	46.	1
Pyrene	89	J	ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	44.	1

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01

Date Collected: 05/07/14 14:30

Client ID: A5-SW (9.5')

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	72		18-120

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02
Client ID: DUPLICATE
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/10/14 03:53
Analyst: JB
Percent Solids: 78%

Date Collected: 05/07/14 00:00
Date Received: 05/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/08/14 08:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	ND		ug/kg	120	41.	1

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02

Date Collected: 05/07/14 00:00

Client ID: DUPLICATE

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	35.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	46.	1
Pyrene	ND		ug/kg	120	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02

Date Collected: 05/07/14 00:00

Client ID: DUPLICATE

Date Received: 05/07/14

Sample Location: 520 W.28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	70		18-120

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/09/14 19:36
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 05/08/14 08:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG688143-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	110	J	ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/09/14 19:36
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 05/08/14 08:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG688143-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/09/14 19:36
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 05/08/14 08:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG688143-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	95		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG688143-2 WG688143-3								
Acenaphthene	99		96		31-137	3		50
1,2,4-Trichlorobenzene	83		79		38-107	5		50
Hexachlorobenzene	106		106		40-140	0		50
Bis(2-chloroethyl)ether	91		86		40-140	6		50
2-Chloronaphthalene	103		97		40-140	6		50
1,2-Dichlorobenzene	81		77		40-140	5		50
1,3-Dichlorobenzene	79		75		40-140	5		50
1,4-Dichlorobenzene	80		76		28-104	5		50
3,3'-Dichlorobenzidine	74		81		40-140	9		50
2,4-Dinitrotoluene	83		83		28-89	0		50
2,6-Dinitrotoluene	112		109		40-140	3		50
Fluoranthene	117		118		40-140	1		50
4-Chlorophenyl phenyl ether	104		102		40-140	2		50
4-Bromophenyl phenyl ether	111		108		40-140	3		50
Bis(2-chloroisopropyl)ether	85		80		40-140	6		50
Bis(2-chloroethoxy)methane	99		90		40-117	10		50
Hexachlorobutadiene	80		77		40-140	4		50
Hexachlorocyclopentadiene	92		86		40-140	7		50
Hexachloroethane	77		73		40-140	5		50
Isophorone	102		96		40-140	6		50
Naphthalene	88		83		40-140	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG688143-2 WG688143-3								
Nitrobenzene	100		95		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	116		115			1		50
n-Nitrosodi-n-propylamine	96		91		32-121	5		50
Bis(2-ethylhexyl)phthalate	119		116		40-140	3		50
Butyl benzyl phthalate	115		117		40-140	2		50
Di-n-butylphthalate	123		123		40-140	0		50
Di-n-octylphthalate	134		132		40-140	2		50
Diethyl phthalate	112		112		40-140	0		50
Dimethyl phthalate	109		106		40-140	3		50
Benzo(a)anthracene	117		120		40-140	3		50
Benzo(a)pyrene	125		126		40-140	1		50
Benzo(b)fluoranthene	112		112		40-140	0		50
Benzo(k)fluoranthene	114		113		40-140	1		50
Chrysene	107		108		40-140	1		50
Acenaphthylene	109		104		40-140	5		50
Anthracene	120		121		40-140	1		50
Benzo(ghi)perylene	111		115		40-140	4		50
Fluorene	107		106		40-140	1		50
Phenanthrene	110		111		40-140	1		50
Dibenzo(a,h)anthracene	120		121		40-140	1		50
Indeno(1,2,3-cd)pyrene	115		118		40-140	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG688143-2 WG688143-3								
Pyrene	114		117		35-142	3		50
Biphenyl	100		95			5		50
4-Chloroaniline	64		67		40-140	5		50
2-Nitroaniline	107		105		47-134	2		50
3-Nitroaniline	83		91		26-129	9		50
4-Nitroaniline	130	Q	133	Q	41-125	2		50
Dibenzofuran	103		101		40-140	2		50
2-Methylnaphthalene	96		90		40-140	6		50
1,2,4,5-Tetrachlorobenzene	88		85		40-117	3		50
Acetophenone	104		98		14-144	6		50
2,4,6-Trichlorophenol	115		110		30-130	4		50
P-Chloro-M-Cresol	121	Q	119	Q	26-103	2		50
2-Chlorophenol	92		89		25-102	3		50
2,4-Dichlorophenol	110		106		30-130	4		50
2,4-Dimethylphenol	108		100		30-130	8		50
2-Nitrophenol	99		94		30-130	5		50
4-Nitrophenol	124	Q	127	Q	11-114	2		50
2,4-Dinitrophenol	106		108		4-130	2		50
4,6-Dinitro-o-cresol	103		105		10-130	2		50
Pentachlorophenol	117	Q	118	Q	17-109	1		50
Phenol	97	Q	95	Q	26-90	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG688143-2 WG688143-3								
2-Methylphenol	105		99		30-130.	6		50
3-Methylphenol/4-Methylphenol	114		108		30-130	5		50
2,4,5-Trichlorophenol	116		113		30-130	3		50
Benzoic Acid	101		102			1		50
Benzyl Alcohol	95		88		40-140	8		50
Carbazole	119		122		54-128	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		87		25-120
Phenol-d6	96		92		10-120
Nitrobenzene-d5	93		92		23-120
2-Fluorobiphenyl	92		89		30-120
2,4,6-Tribromophenol	104		106		0-136
4-Terphenyl-d14	101		107		18-120

PCBS

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01
Client ID: A5-SW (9.5')
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/09/14 10:57
Analyst: JW
Percent Solids: 79%

Date Collected: 05/07/14 14:30
Date Received: 05/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/08/14 13:10
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/09/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.24	1	A
Aroclor 1221	ND		ug/kg	41.0	3.78	1	A
Aroclor 1232	ND		ug/kg	41.0	4.81	1	A
Aroclor 1242	ND		ug/kg	41.0	5.02	1	A
Aroclor 1248	ND		ug/kg	41.0	3.46	1	A
Aroclor 1254	15.4	J	ug/kg	41.0	3.37	1	B
Aroclor 1260	14.9	J	ug/kg	41.0	3.13	1	B
Aroclor 1262	ND		ug/kg	41.0	2.04	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A
PCBs, Total	30.3	J	ug/kg	41.0	2.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02
Client ID: DUPLICATE
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/09/14 11:10
Analyst: JW
Percent Solids: 78%

Date Collected: 05/07/14 00:00
Date Received: 05/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/08/14 13:10
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/09/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	3.16	1	A
Aroclor 1221	ND		ug/kg	40.0	3.69	1	A
Aroclor 1232	ND		ug/kg	40.0	4.69	1	A
Aroclor 1242	ND		ug/kg	40.0	4.90	1	A
Aroclor 1248	ND		ug/kg	40.0	3.38	1	A
Aroclor 1254	ND		ug/kg	40.0	3.29	1	A
Aroclor 1260	ND		ug/kg	40.0	3.05	1	A
Aroclor 1262	ND		ug/kg	40.0	1.98	1	A
Aroclor 1268	ND		ug/kg	40.0	5.80	1	A
PCBs, Total	ND		ug/kg	40.0	1.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/09/14 11:23
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 05/08/14 13:10
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 05/09/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 05/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG688253-1						
Aroclor 1016	ND		ug/kg	32.8	2.59	A
Aroclor 1221	ND		ug/kg	32.8	3.02	A
Aroclor 1232	ND		ug/kg	32.8	3.84	A
Aroclor 1242	ND		ug/kg	32.8	4.02	A
Aroclor 1248	ND		ug/kg	32.8	2.77	A
Aroclor 1254	ND		ug/kg	32.8	2.70	A
Aroclor 1260	ND		ug/kg	32.8	2.50	A
Aroclor 1262	ND		ug/kg	32.8	1.63	A
Aroclor 1268	ND		ug/kg	32.8	4.76	A
PCBs, Total	ND		ug/kg	32.8	1.63	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	58		30-150	A
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG688253-2 WG688253-3									
Aroclor 1016	68		78		40-140	14		50	A
Aroclor 1260	55		64		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		89		30-150	A
Decachlorobiphenyl	53		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		92		30-150	B
Decachlorobiphenyl	62		75		30-150	B

PESTICIDES

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-01
Client ID: A5-SW (9.5')
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/13/14 13:48
Analyst: GP
Percent Solids: 79%

Date Collected: 05/07/14 14:30
Date Received: 05/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/12/14 17:58
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.94	0.380	1	A
Lindane	ND		ug/kg	0.809	0.362	1	A
Alpha-BHC	ND		ug/kg	0.809	0.230	1	A
Beta-BHC	ND		ug/kg	1.94	0.736	1	A
Heptachlor	ND		ug/kg	0.971	0.435	1	A
Aldrin	ND		ug/kg	1.94	0.684	1	A
Heptachlor epoxide	ND		ug/kg	3.64	1.09	1	A
Endrin	ND		ug/kg	0.809	0.332	1	A
Dieldrin	ND		ug/kg	1.21	0.607	1	A
4,4'-DDE	ND		ug/kg	1.94	0.449	1	A
4,4'-DDD	ND		ug/kg	1.94	0.693	1	A
4,4'-DDT	ND		ug/kg	3.64	1.56	1	A
Endosulfan I	ND		ug/kg	1.94	0.459	1	A
Endosulfan II	ND		ug/kg	1.94	0.649	1	A
Endosulfan sulfate	ND		ug/kg	0.809	0.385	1	A
Methoxychlor	ND		ug/kg	3.64	1.13	1	A
cis-Chlordane	ND		ug/kg	2.43	0.677	1	A
trans-Chlordane	ND		ug/kg	2.43	0.641	1	A
Chlordane	ND		ug/kg	15.8	6.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**SAMPLE RESULTS**

Lab ID: L1409762-02
Client ID: DUPLICATE
Sample Location: 520 W.28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/13/14 14:01
Analyst: GP
Percent Solids: 78%

Date Collected: 05/07/14 00:00
Date Received: 05/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/12/14 17:58
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.677	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	3.61	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.635	1	A
Chlordane	ND		ug/kg	15.6	6.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/13/14 13:09
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 05/12/14 17:58
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG689037-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.650	0.290	A
Alpha-BHC	ND		ug/kg	0.650	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.591	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.877	A
Endrin	ND		ug/kg	0.650	0.266	A
Dieldrin	ND		ug/kg	0.975	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
cis-Chlordane	ND		ug/kg	1.95	0.543	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	12.7	5.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	46		30-150	A
Decachlorobiphenyl	58		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG689037-2 WG689037-3									
Delta-BHC	64		63		30-150	2		30	A
Lindane	71		72		30-150	1		30	A
Alpha-BHC	69		66		30-150	4		30	A
Beta-BHC	62		61		30-150	2		30	A
Heptachlor	71		69		30-150	3		30	A
Aldrin	76		76		30-150	0		30	A
Heptachlor epoxide	72		72		30-150	0		30	A
Endrin	84		82		30-150	2		30	A
Endrin ketone	77		75		30-150	3		30	A
Dieldrin	77		78		30-150	1		30	A
4,4'-DDE	78		78		30-150	0		30	A
4,4'-DDD	63		74		30-150	16		30	A
4,4'-DDT	85		82		30-150	4		30	A
Endosulfan I	80		79		30-150	1		30	A
Endosulfan II	75		74		30-150	1		30	A
Endosulfan sulfate	78		74		30-150	5		30	A
Methoxychlor	78		77		30-150	1		30	A
cis-Chlordane	78		76		30-150	3		30	A
trans-Chlordane	70		69		30-150	1		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG689037-2 WG689037-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		62		30-150	A
Decachlorobiphenyl	66		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		54		30-150	B
Decachlorobiphenyl	58		66		30-150	B

METALS

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

SAMPLE RESULTS

Lab ID: L1409762-01
 Client ID: A5-SW (9.5')
 Sample Location: 520 W.28TH ST., NYC
 Matrix: Soil
 Percent Solids: 79%

Date Collected: 05/07/14 14:30
 Date Received: 05/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	9.8	2.0	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.9	0.78	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Arsenic, Total	2.7		mg/kg	0.98	0.20	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Barium, Total	39		mg/kg	0.98	0.29	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Beryllium, Total	0.22	J	mg/kg	0.49	0.10	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.98	0.07	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Calcium, Total	800		mg/kg	9.8	2.9	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.98	0.20	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Cobalt, Total	3.1		mg/kg	2.0	0.49	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Copper, Total	8.3		mg/kg	0.98	0.20	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Iron, Total	7700		mg/kg	4.9	2.0	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Lead, Total	4.0	J	mg/kg	4.9	0.20	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Magnesium, Total	1300		mg/kg	9.8	0.98	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Manganese, Total	98		mg/kg	0.98	0.20	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.09	0.02	1	05/09/14 09:18	05/09/14 11:55	EPA 7471B	1,7471B	MC
Nickel, Total	7.0		mg/kg	2.4	0.39	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Potassium, Total	600		mg/kg	240	39.	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.29	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.98	0.20	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Sodium, Total	93	J	mg/kg	200	29.	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.39	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.98	0.10	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	4.9	0.68	2	05/09/14 12:20	05/09/14 17:27	EPA 3050B	1,6010C	JH



Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

SAMPLE RESULTS

Lab ID: L1409762-02
 Client ID: DUPLICATE
 Sample Location: 520 W.28TH ST., NYC
 Matrix: Soil
 Percent Solids: 78%

Date Collected: 05/07/14 00:00
 Date Received: 05/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3400		mg/kg	10	2.0	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	5.0	0.80	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Arsenic, Total	3.3		mg/kg	1.0	0.20	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Barium, Total	41		mg/kg	1.0	0.30	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Beryllium, Total	0.28	J	mg/kg	0.50	0.10	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.0	0.07	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Calcium, Total	930		mg/kg	10	3.0	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	1.0	0.20	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Cobalt, Total	3.7		mg/kg	2.0	0.50	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Copper, Total	10		mg/kg	1.0	0.20	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	5.0	2.0	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Lead, Total	4.3	J	mg/kg	5.0	0.20	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Magnesium, Total	1500		mg/kg	10	1.0	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Manganese, Total	69		mg/kg	1.0	0.20	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.09	0.02	1	05/09/14 09:18	05/09/14 11:57	EPA 7471B	1,7471B	MC
Nickel, Total	9.2		mg/kg	2.5	0.40	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Potassium, Total	680		mg/kg	250	40.	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.30	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.0	0.20	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Sodium, Total	110	J	mg/kg	200	30.	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.40	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	1.0	0.10	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH
Zinc, Total	15		mg/kg	5.0	0.70	2	05/09/14 12:20	05/09/14 17:30	EPA 3050B	1,6010C	JH



Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG688124-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/09/14 09:18	05/09/14 11:07	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG688492-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	05/09/14 12:20	05/09/14 16:24	1,6010C	JH

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG688124-2 SRM Lot Number: 0518-10-02								
Mercury, Total	98		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG688492-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	78	-	29-171	-	
Antimony, Total	106	-	4-196	-	
Arsenic, Total	94	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	92	-	83-117	-	
Cadmium, Total	89	-	82-117	-	
Calcium, Total	98	-	83-117	-	
Chromium, Total	88	-	80-119	-	
Cobalt, Total	90	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	88	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	87	-	83-117	-	
Nickel, Total	88	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	91	-	80-120	-	
Silver, Total	96	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	91	-	79-120	-	
Vanadium, Total	81	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG688492-2 SRM Lot Number: 0518-10-02					
Zinc, Total	88	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Lab Number: L1409762

Project Number: E040

Report Date: 05/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG688124-4 QC Sample: L1409672-01 Client ID: MS Sample												
Mercury, Total	ND	0.201	0.23	115		-	-		80-120	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG688492-4 QC Sample: L1409657-01 Client ID: MS Sample									
Aluminum, Total	130000	484	130000	0	Q	-	75-125	-	20
Antimony, Total	ND	121	100	82		-	75-125	-	20
Arsenic, Total	91.	29.1	87	0	Q	-	75-125	-	20
Barium, Total	11.	484	480	97		-	75-125	-	20
Beryllium, Total	ND	12.1	12	99		-	75-125	-	20
Cadmium, Total	ND	12.4	11	89		-	75-125	-	20
Calcium, Total	4500	2420	6000	62	Q	-	75-125	-	20
Chromium, Total	310	48.4	270	0	Q	-	75-125	-	20
Cobalt, Total	15.	121	130	95		-	75-125	-	20
Copper, Total	ND	60.6	240000	0	Q	-	75-125	-	20
Iron, Total	370000	242	290000	0	Q	-	75-125	-	20
Lead, Total	23.J	124	130	105		-	75-125	-	20
Magnesium, Total	610	2420	2500	78		-	75-125	-	20
Manganese, Total	2000	121	1600	0	Q	-	75-125	-	20
Nickel, Total	150	121	230	66	Q	-	75-125	-	20
Potassium, Total	ND	2420	2600	107		-	75-125	-	20
Selenium, Total	4.3J	29.1	34	117		-	75-125	-	20
Silver, Total	5.6	72.7	78	100		-	75-125	-	20
Sodium, Total	17000	2420	20000	124		-	75-125	-	20
Thallium, Total	3.7J	29.1	29	100		-	75-125	-	20
Vanadium, Total	ND	121	110	91		-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG688492-4 QC Sample: L1409657-01 Client ID: MS Sample									
Zinc, Total	170	121	250	66	Q	-	-	75-125	20

Project Name: 520 W.28TH ST.
Project Number: E040

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1409762
Report Date: 05/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG688124-3 QC Sample: L1409672-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG688492-3 QC Sample: L1409657-01 Client ID: DUP Sample						
Barium, Total	11.	10	mg/kg	10		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	310	250	mg/kg	21	Q	20
Selenium, Total	4.3J	3.3J	mg/kg	NC		20
Silver, Total	5.6	4.5	mg/kg	22	Q	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG688492-3 QC Sample: L1409657-01 Client ID: DUP Sample						
Arsenic, Total	91.	67	mg/kg	30	Q	20
Lead, Total	23.J	13J	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 520 W.28TH ST.**Project Number:** E040**Lab Number:** L1409762**Report Date:** 05/14/14**SAMPLE RESULTS****Lab ID:** L1409762-01**Client ID:** A5-SW (9.5')**Sample Location:** 520 W.28TH ST., NYC**Matrix:** Soil**Date Collected:** 05/07/14 14:30**Date Received:** 05/07/14**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	79.2		%	0.100	NA	1	-	05/08/14 21:27	30,2540G	RT



Project Name: 520 W.28TH ST.**Project Number:** E040**Lab Number:** L1409762**Report Date:** 05/14/14**SAMPLE RESULTS****Lab ID:** L1409762-02**Client ID:** DUPLICATE**Sample Location:** 520 W.28TH ST., NYC**Matrix:** Soil**Date Collected:** 05/07/14 00:00**Date Received:** 05/07/14**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	78.3		%	0.100	NA	1	-	05/08/14 21:27	30,2540G	RT



Project Name: 520 W.28TH ST.**Project Number:** E040**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1409762**Report Date:** 05/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG688351-1 QC Sample: L1409762-01 Client ID: A5-SW (9.5')						
Solids, Total	79.2	81.1	%	2		20

Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/08/2014 04:04

Cooler Information Custody Seal

Cooler

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1409762-01A	5 gram Encore Sampler	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(2)
L1409762-01B	5 gram Encore Sampler	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(2)
L1409762-01C	5 gram Encore Sampler	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(2)
L1409762-01D	Plastic 2oz unpreserved for TS	A	N/A	5.0	Y	Absent	TS(7)
L1409762-01E	Amber 120ml unpreserved	A	N/A	5.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1409762-01F	Amber 250ml unpreserved	A	N/A	5.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1409762-01X	Vial MeOH preserved split	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(14)
L1409762-01Y	Vial Water preserved split	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(14)
L1409762-01Z	Vial Water preserved split	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(14)
L1409762-02A	5 gram Encore Sampler	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(2)
L1409762-02B	5 gram Encore Sampler	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(2)
L1409762-02C	5 gram Encore Sampler	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: 520 W.28TH ST.

Project Number: E040

Lab Number: L1409762

Report Date: 05/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1409762-02D	Plastic 2oz unpreserved for TS	A	N/A	5.0	Y	Absent	TS(7)
L1409762-02E	Amber 120ml unpreserved	A	N/A	5.0	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1409762-02F	Amber 250ml unpreserved	A	N/A	5.0	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1409762-02X	Vial MeOH preserved split	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(14)
L1409762-02Y	Vial Water preserved split	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(14)
L1409762-02Z	Vial Water preserved split	A	N/A	5.0	Y	Absent	NYTCL-8260HLW(14)
L1409762-03A	Vial HCl preserved	B	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1409762-03B	Vial HCl preserved	B	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14

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: 520 W.28TH ST.**Lab Number:** L1409762**Project Number:** E040**Report Date:** 05/14/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 W.28TH ST.
Project Number: E040

Lab Number: L1409762
Report Date: 05/14/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Project Information

Project Name: 520 W 28th St

Project Location: S20 W28th St, NYC

Project #: EØ 4 Ø

Project Manager: ALANA CARROLL

ALPHA Quote #:

Turn-Around Time

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

Date Due: 5/14/14 Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX

 EMAIL

ADEx

☒ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program	

Criteria

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY SUITE 1601
NY, NY

Phone: 212-440-6715

Fax:

3MCTAVEY@INTEGRAL-CORP.COM

Email: A CARROLL @ 1 1 1

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

[illegible]

Container Type	E/V	A	A	A	A

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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:	L1409223
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W 28TH ST.
Project Number:	E040
Report Date:	05/08/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 W 28TH ST.
Project Number: E040

Lab Number: L1409223
Report Date: 05/08/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1409223-01	A6-SW (3')	520 W 28TH ST, NYC	05/01/14 09:30
L1409223-02	TRIP BLANK	520 W 28TH ST, NYC	05/01/14 00:00

Project Name: 520 W 28TH ST.
Project Number: E040

Lab Number: L1409223
Report Date: 05/08/14

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: 520 W 28TH ST.
Project Number: E040

Lab Number: L1409223
Report Date: 05/08/14

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.

Total Metals

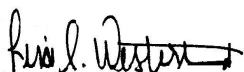
L1409223-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Semivolatile Organics

L1409223-01: Please note that benzo(b)fluoranthene and benzo(k)fluoranthene could not be accurately integrated on the original analysis at such a high concentration, and therefore is only reported from the diluted analysis.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 05/08/14

ORGANICS

VOLATILES

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
Client ID: A6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/02/14 17:01
Analyst: MV
Percent Solids: 78%

Date Collected: 05/01/14 09:30
Date Received: 05/01/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.23	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.58	1
Bromoform	ND		ug/kg	5.1	0.53	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.4	1.0	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.31	1

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
 Client ID: A6-SW (3')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/01/14 09:30
 Date Received: 05/01/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.13	1
p/m-Xylene	ND		ug/kg	2.6	0.41	1
o-Xylene	ND		ug/kg	2.6	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.40	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	5.8	J	ug/kg	13	4.0	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.46	1
Vinyl acetate	ND		ug/kg	13	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.29	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.4	0.72	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.54	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.4	0.99	1
Acrylonitrile	ND		ug/kg	13	0.30	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.73	1
1,4-Dioxane	ND		ug/kg	130	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.1	0.20	1
4-Ethyltoluene	ND		ug/kg	5.1	0.15	1

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
 Client ID: A6-SW (3')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/01/14 09:30
 Date Received: 05/01/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.17	1
Ethyl ether	ND		ug/kg	6.4	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-02
Client ID: TRIP BLANK
Sample Location: 520 W 28TH ST, NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/07/14 22:12
Analyst: MS

Date Collected: 05/01/14 00:00
Date Received: 05/01/14
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: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-02
 Client ID: TRIP BLANK
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/01/14 00:00
 Date Received: 05/01/14
 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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-02
 Client ID: TRIP BLANK
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/01/14 00:00
 Date Received: 05/01/14
 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	105		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	89		70-130

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/02/14 10:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG687255-3					
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	0.29	J	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: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/02/14 10:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG687255-3					
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
Xylene (Total)	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	5.0	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

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/02/14 10:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG687255-3					
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/02/14 10:05

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG687255-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/07/14 21:03
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG688236-3					
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: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/07/14 21:03
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG688236-3					
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: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/07/14 21:03
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG688236-3					
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	106		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG687255-1 WG687255-2								
Methylene chloride	115		119		70-130	3		30
1,1-Dichloroethane	112		115		70-130	3		30
Chloroform	112		116		70-130	4		30
Carbon tetrachloride	118		122		70-130	3		30
1,2-Dichloropropane	113		116		70-130	3		30
Dibromochloromethane	94		98		70-130	4		30
1,1,2-Trichloroethane	94		97		70-130	3		30
Tetrachloroethene	99		99		70-130	0		30
Chlorobenzene	96		97		70-130	1		30
Trichlorofluoromethane	122		122		70-139	0		30
1,2-Dichloroethane	110		116		70-130	5		30
1,1,1-Trichloroethane	116		118		70-130	2		30
Bromodichloromethane	112		116		70-130	4		30
trans-1,3-Dichloropropene	92		95		70-130	3		30
cis-1,3-Dichloropropene	113		117		70-130	3		30
1,1-Dichloropropene	115		119		70-130	3		30
Bromoform	84		90		70-130	7		30
1,1,2,2-Tetrachloroethane	83		88		70-130	6		30
Benzene	112		115		70-130	3		30
Toluene	93		94		70-130	1		30
Ethylbenzene	94		95		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG687255-1 WG687255-2								
Chloromethane	102		104		52-130	2		30
Bromomethane	133		133		57-147	0		30
Vinyl chloride	110		113		67-130	3		30
Chloroethane	108		109		50-151	1		30
1,1-Dichloroethene	117		117		65-135	0		30
trans-1,2-Dichloroethene	115		116		70-130	1		30
Trichloroethene	114		117		70-130	3		30
1,2-Dichlorobenzene	88		90		70-130	2		30
1,3-Dichlorobenzene	88		91		70-130	3		30
1,4-Dichlorobenzene	90		92		70-130	2		30
Methyl tert butyl ether	103		108		66-130	5		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	97		97		70-130	0		30
cis-1,2-Dichloroethene	114		117		70-130	3		30
Dibromomethane	114		120		70-130	5		30
Styrene	96		97		70-130	1		30
Dichlorodifluoromethane	109		110		30-146	1		30
Acetone	128		136		54-140	6		30
Carbon disulfide	106		109		59-130	3		30
2-Butanone	102		108		70-130	6		30
Vinyl acetate	99		104		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG687255-1 WG687255-2								
4-Methyl-2-pentanone	109		115		70-130	5		30
1,2,3-Trichloropropane	81		86		68-130	6		30
2-Hexanone	84		88		70-130	5		30
Bromochloromethane	119		124		70-130	4		30
2,2-Dichloropropane	114		116		70-130	2		30
1,2-Dibromoethane	95		97		70-130	2		30
1,3-Dichloropropane	93		96		69-130	3		30
1,1,1,2-Tetrachloroethane	95		97		70-130	2		30
Bromobenzene	86		91		70-130	6		30
n-Butylbenzene	88		89		70-130	1		30
sec-Butylbenzene	88		91		70-130	3		30
tert-Butylbenzene	87		89		70-130	2		30
o-Chlorotoluene	84		87		70-130	4		30
p-Chlorotoluene	85		88		70-130	3		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Hexachlorobutadiene	91		94		67-130	3		30
Isopropylbenzene	95		96		70-130	1		30
p-Isopropyltoluene	89		91		70-130	2		30
Naphthalene	86		91		70-130	6		30
Acrylonitrile	104		111		70-130	7		30
Isopropyl Ether	110		114		66-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG687255-1 WG687255-2								
tert-Butyl Alcohol	106		114		70-130	7		30
n-Propylbenzene	86		90		70-130	5		30
1,2,3-Trichlorobenzene	90		94		70-130	4		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	86		89		70-130	3		30
1,2,4-Trimethylbenzene	86		88		70-130	2		30
Methyl Acetate	108		112		51-146	4		30
Ethyl Acetate	109		112		70-130	3		30
Acrolein	105		110		70-130	5		30
Cyclohexane	124		128		59-142	3		30
1,4-Dioxane	127		140	Q	65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	123		124		50-139	1		30
1,4-Diethylbenzene	122		121		70-130	1		30
4-Ethyltoluene	118		118		70-130	0		30
1,2,4,5-Tetramethylbenzene	120		121		70-130	1		30
Tetrahydrofuran	104		111		66-130	7		30
Ethyl ether	97		98		67-130	1		30
trans-1,4-Dichloro-2-butene	77		79		70-130	3		30
Methyl cyclohexane	123		126		70-130	2		30
Ethyl-Tert-Butyl-Ether	112		115		70-130	3		30
Tertiary-Amyl Methyl Ether	112		117		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG687255-1 WG687255-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		95		70-130
Toluene-d8	89		88		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	103		105		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

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: WG688236-1 WG688236-2								
Methylene chloride	95		96		70-130	1		20
1,1-Dichloroethane	91		94		70-130	3		20
Chloroform	93		98		70-130	5		20
Carbon tetrachloride	79		82		63-132	4		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	97		98		63-130	1		20
1,1,2-Trichloroethane	112		114		70-130	2		20
Tetrachloroethene	97		99		70-130	2		20
Chlorobenzene	102		106		75-130	4		20
Trichlorofluoromethane	78		79		62-150	1		20
1,2-Dichloroethane	92		93		70-130	1		20
1,1,1-Trichloroethane	84		87		67-130	4		20
Bromodichloromethane	88		87		67-130	1		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	79		82		70-130	4		20
1,1-Dichloropropene	91		92		70-130	1		20
Bromoform	88		92		54-136	4		20
1,1,2,2-Tetrachloroethane	119		117		67-130	2		20
Benzene	95		95		70-130	0		20
Toluene	104		106		70-130	2		20
Ethylbenzene	105		106		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

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: WG688236-1 WG688236-2								
Chloromethane	91		88		64-130	3		20
Bromomethane	94		93		39-139	1		20
Vinyl chloride	80		76		55-140	5		20
Chloroethane	102		103		55-138	1		20
1,1-Dichloroethene	79		84		61-145	6		20
trans-1,2-Dichloroethene	85		88		70-130	3		20
Trichloroethene	85		91		70-130	7		20
1,2-Dichlorobenzene	104		107		70-130	3		20
1,3-Dichlorobenzene	103		107		70-130	4		20
1,4-Dichlorobenzene	104		108		70-130	4		20
Methyl tert butyl ether	81		85		63-130	5		20
p/m-Xylene	102		107		70-130	5		20
o-Xylene	104		107		70-130	3		20
cis-1,2-Dichloroethene	90		92		70-130	2		20
Dibromomethane	92		95		70-130	3		20
1,2,3-Trichloropropane	113		120		64-130	6		20
Acrylonitrile	88		81		70-130	8		20
Styrene	110		111		70-130	1		20
Dichlorodifluoromethane	86		84		36-147	2		20
Acetone	91		94		58-148	3		20
Carbon disulfide	86		92		51-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

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: WG688236-1 WG688236-2								
2-Butanone	97		94		63-138	3		20
Vinyl acetate	81		81		70-130	0		20
4-Methyl-2-pentanone	85		83		59-130	2		20
2-Hexanone	95		100		57-130	5		20
Bromochloromethane	82		90		70-130	9		20
2,2-Dichloropropane	75		77		63-133	3		20
1,2-Dibromoethane	101		105		70-130	4		20
1,3-Dichloropropane	109		112		70-130	3		20
1,1,1,2-Tetrachloroethane	91		95		64-130	4		20
Bromobenzene	104		105		70-130	1		20
n-Butylbenzene	108		112		53-136	4		20
sec-Butylbenzene	111		116		70-130	4		20
tert-Butylbenzene	107		111		70-130	4		20
o-Chlorotoluene	113		115		70-130	2		20
p-Chlorotoluene	113		115		70-130	2		20
1,2-Dibromo-3-chloropropane	84		96		41-144	13		20
Hexachlorobutadiene	84		94		63-130	11		20
Isopropylbenzene	108		111		70-130	3		20
p-Isopropyltoluene	107		111		70-130	4		20
Naphthalene	87		98		70-130	12		20
n-Propylbenzene	113		117		69-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

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: WG688236-1 WG688236-2								
1,2,3-Trichlorobenzene	77		88		70-130	13		20
1,2,4-Trichlorobenzene	85		92		70-130	8		20
1,3,5-Trimethylbenzene	109		115		64-130	5		20
1,2,4-Trimethylbenzene	110		113		70-130	3		20
1,4-Dioxane	74		92		56-162	22	Q	20
p-Diethylbenzene	106		109		70-130	3		20
p-Ethyltoluene	109		115		70-130	5		20
1,2,4,5-Tetramethylbenzene	97		103		70-130	6		20
Ethyl ether	82		83		59-134	1		20
trans-1,4-Dichloro-2-butene	78		86		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	113		110		70-130
4-Bromofluorobenzene	103		100		70-130
Dibromofluoromethane	92		90		70-130

SEMIVOLATILES

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
Client ID: A6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/07/14 21:18
Analyst: PS
Percent Solids: 78%

Date Collected: 05/01/14 09:30
Date Received: 05/01/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/02/14 17:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	170	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	70.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	70.	1
1,3-Dichlorobenzene	ND		ug/kg	210	67.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	17000	E	ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	75.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	60.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	460		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	6400		ug/kg	130	42.	1

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
 Client ID: A6-SW (3')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/01/14 09:30
 Date Received: 05/01/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6500		ug/kg	170	52.	1
Chrysene	7000		ug/kg	130	42.	1
Acenaphthylene	240		ug/kg	170	40.	1
Anthracene	2800		ug/kg	130	35.	1
Benzo(ghi)perylene	3500		ug/kg	170	44.	1
Fluorene	1100		ug/kg	210	61.	1
Phenanthrene	14000	E	ug/kg	130	42.	1
Dibenzo(a,h)anthracene	1600		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	4000		ug/kg	170	47.	1
Pyrene	14000	E	ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	70.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	60.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	750		ug/kg	210	71.	1
2-Methylnaphthalene	260		ug/kg	250	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	69.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	460	66.	1
4-Nitrophenol	ND		ug/kg	300	69.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	78.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	63.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	69.	1
Benzoic Acid	ND		ug/kg	690	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	1100		ug/kg	210	46.	1

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
 Client ID: A6-SW (3')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 05/01/14 09:30
 Date Received: 05/01/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	83		18-120

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01 D
Client ID: A6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/08/14 13:27
Analyst: PS
Percent Solids: 78%

Date Collected: 05/01/14 09:30
Date Received: 05/01/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/02/14 17:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	15000		ug/kg	640	190	5
Benzo(b)fluoranthene	7400		ug/kg	640	210	5
Benzo(k)fluoranthene	2900		ug/kg	640	200	5
Phenanthrene	13000		ug/kg	640	210	5
Pyrene	13000		ug/kg	640	210	5

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/05/14 12:39
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/02/14 17:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG686958-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/05/14 12:39
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/02/14 17:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG686958-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/05/14 12:39
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/02/14 17:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG686958-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG686958-2 WG686958-3								
Acenaphthene	86		81		31-137	6		50
1,2,4-Trichlorobenzene	74		69		38-107	7		50
Hexachlorobenzene	107		105		40-140	2		50
Bis(2-chloroethyl)ether	60		54		40-140	11		50
2-Chloronaphthalene	85		80		40-140	6		50
1,2-Dichlorobenzene	66		64		40-140	3		50
1,3-Dichlorobenzene	67		64		40-140	5		50
1,4-Dichlorobenzene	68		61		28-104	11		50
3,3'-Dichlorobenzidine	62		54		40-140	14		50
2,4-Dinitrotoluene	91	Q	94	Q	28-89	3		50
2,6-Dinitrotoluene	85		87		40-140	2		50
Fluoranthene	98		98		40-140	0		50
4-Chlorophenyl phenyl ether	93		90		40-140	3		50
4-Bromophenyl phenyl ether	102		96		40-140	6		50
Bis(2-chloroisopropyl)ether	58		54		40-140	7		50
Bis(2-chloroethoxy)methane	60		58		40-117	3		50
Hexachlorobutadiene	77		71		40-140	8		50
Hexachlorocyclopentadiene	74		76		40-140	3		50
Hexachloroethane	65		60		40-140	8		50
Isophorone	66		63		40-140	5		50
Naphthalene	75		67		40-140	11		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG686958-2 WG686958-3								
Nitrobenzene	69		64		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	95		96			1		50
n-Nitrosodi-n-propylamine	63		61		32-121	3		50
Bis(2-ethylhexyl)phthalate	91		92		40-140	1		50
Butyl benzyl phthalate	92		91		40-140	1		50
Di-n-butylphthalate	97		96		40-140	1		50
Di-n-octylphthalate	93		94		40-140	1		50
Diethyl phthalate	92		91		40-140	1		50
Dimethyl phthalate	90		89		40-140	1		50
Benzo(a)anthracene	96		96		40-140	0		50
Benzo(a)pyrene	93		92		40-140	1		50
Benzo(b)fluoranthene	92		91		40-140	1		50
Benzo(k)fluoranthene	93		95		40-140	2		50
Chrysene	94		96		40-140	2		50
Acenaphthylene	86		84		40-140	2		50
Anthracene	98		97		40-140	1		50
Benzo(ghi)perylene	93		93		40-140	0		50
Fluorene	95		91		40-140	4		50
Phenanthrene	98		95		40-140	3		50
Dibenzo(a,h)anthracene	91		94		40-140	3		50
Indeno(1,2,3-cd)pyrene	94		95		40-140	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG686958-2 WG686958-3								
Pyrene	97		96		35-142	1		50
Biphenyl	86		82			5		50
4-Chloroaniline	50		45		40-140	11		50
2-Nitroaniline	87		86		47-134	1		50
3-Nitroaniline	69		54		26-129	24		50
4-Nitroaniline	92		84		41-125	9		50
Dibenzofuran	91		89		40-140	2		50
2-Methylnaphthalene	77		72		40-140	7		50
1,2,4,5-Tetrachlorobenzene	88		78		40-117	12		50
Acetophenone	65		64		14-144	2		50
2,4,6-Trichlorophenol	87		88		30-130	1		50
P-Chloro-M-Cresol	79		80		26-103	1		50
2-Chlorophenol	70		67		25-102	4		50
2,4-Dichlorophenol	85		80		30-130	6		50
2,4-Dimethylphenol	80		78		30-130	3		50
2-Nitrophenol	68		66		30-130	3		50
4-Nitrophenol	101		103		11-114	2		50
2,4-Dinitrophenol	21		26		4-130	21		50
4,6-Dinitro-o-cresol	82		80		10-130	2		50
Pentachlorophenol	100		103		17-109	3		50
Phenol	66		62		26-90	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG686958-2 WG686958-3								
2-Methylphenol	73		71		30-130.	3		50
3-Methylphenol/4-Methylphenol	72		74		30-130	3		50
2,4,5-Trichlorophenol	85		89		30-130	5		50
Benzoic Acid	12		16			29		50
Benzyl Alcohol	69		62		40-140	11		50
Carbazole	97		98		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		61		25-120
Phenol-d6	66		64		10-120
Nitrobenzene-d5	62		58		23-120
2-Fluorobiphenyl	81		77		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	93		90		18-120

PCBS

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
Client ID: A6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/14 17:40
Analyst: TQ
Percent Solids: 78%

Date Collected: 05/01/14 09:30
Date Received: 05/01/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/02/14 17:34
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/03/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.2	3.33	1	A
Aroclor 1221	ND		ug/kg	42.2	3.89	1	A
Aroclor 1232	ND		ug/kg	42.2	4.94	1	A
Aroclor 1242	ND		ug/kg	42.2	5.16	1	A
Aroclor 1248	ND		ug/kg	42.2	3.56	1	A
Aroclor 1254	12.4	J	ug/kg	42.2	3.47	1	B
Aroclor 1260	10.9	J	ug/kg	42.2	3.21	1	B
Aroclor 1262	ND		ug/kg	42.2	2.09	1	A
Aroclor 1268	ND		ug/kg	42.2	6.12	1	A
PCBs, Total	23.3	J	ug/kg	42.2	2.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8082A
Analytical Date: 05/03/14 21:00
Analyst: TQExtraction Method: EPA 3546
Extraction Date: 05/02/14 17:34
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/03/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG686959-1						
Aroclor 1016	ND		ug/kg	32.3	2.55	A
Aroclor 1221	ND		ug/kg	32.3	2.98	A
Aroclor 1232	ND		ug/kg	32.3	3.79	A
Aroclor 1242	ND		ug/kg	32.3	3.96	A
Aroclor 1248	ND		ug/kg	32.3	2.73	A
Aroclor 1254	ND		ug/kg	32.3	2.66	A
Aroclor 1260	ND		ug/kg	32.3	2.46	A
Aroclor 1262	ND		ug/kg	32.3	1.60	A
Aroclor 1268	ND		ug/kg	32.3	4.69	A
PCBs, Total	ND		ug/kg	32.3	1.60	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	103		30-150	B
Decachlorobiphenyl	87		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG686959-2 WG686959-3									
Aroclor 1016	89		91		40-140	2		50	A
Aroclor 1260	100		94		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		103		30-150	A
Decachlorobiphenyl	97		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		97		30-150	B
Decachlorobiphenyl	112		112		30-150	B

PESTICIDES

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**SAMPLE RESULTS**

Lab ID: L1409223-01
Client ID: A6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/14 18:23
Analyst: GP
Percent Solids: 78%

Date Collected: 05/01/14 09:30
Date Received: 05/01/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/03/14 06:00
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/05/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.01	0.394	1	A
Lindane	ND		ug/kg	0.837	0.374	1	A
Alpha-BHC	ND		ug/kg	0.837	0.238	1	A
Beta-BHC	ND		ug/kg	2.01	0.762	1	A
Heptachlor	ND		ug/kg	1.00	0.450	1	A
Aldrin	ND		ug/kg	2.01	0.708	1	A
Heptachlor epoxide	ND		ug/kg	3.77	1.13	1	A
Endrin	ND		ug/kg	0.837	0.343	1	A
Dieldrin	ND		ug/kg	1.26	0.628	1	A
4,4'-DDE	ND		ug/kg	2.01	0.465	1	A
4,4'-DDD	ND		ug/kg	2.01	0.717	1	A
4,4'-DDT	7.82		ug/kg	3.77	1.62	1	A
Endosulfan I	ND		ug/kg	2.01	0.475	1	A
Endosulfan II	ND		ug/kg	2.01	0.672	1	A
Endosulfan sulfate	ND		ug/kg	0.837	0.398	1	A
Methoxychlor	ND		ug/kg	3.77	1.17	1	A
cis-Chlordane	ND		ug/kg	2.51	0.700	1	A
trans-Chlordane	ND		ug/kg	2.51	0.663	1	A
Chlordane	ND		ug/kg	16.3	6.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/05/14 17:43
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 05/03/14 06:00
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/05/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG687044-1						
Delta-BHC	ND		ug/kg	1.50	0.294	A
Lindane	ND		ug/kg	0.626	0.280	A
Alpha-BHC	ND		ug/kg	0.626	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.569	A
Heptachlor	ND		ug/kg	0.751	0.337	A
Aldrin	ND		ug/kg	1.50	0.529	A
Heptachlor epoxide	ND		ug/kg	2.82	0.845	A
Endrin	ND		ug/kg	0.626	0.256	A
Dieldrin	ND		ug/kg	0.939	0.469	A
4,4'-DDE	ND		ug/kg	1.50	0.347	A
4,4'-DDD	ND		ug/kg	1.50	0.536	A
4,4'-DDT	ND		ug/kg	2.82	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.502	A
Endosulfan sulfate	ND		ug/kg	0.626	0.298	A
Methoxychlor	ND		ug/kg	2.82	0.876	A
cis-Chlordane	ND		ug/kg	1.88	0.523	A
trans-Chlordane	ND		ug/kg	1.88	0.496	A
Chlordane	ND		ug/kg	12.2	4.97	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	55		30-150	A
Decachlorobiphenyl	57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG687044-2 WG687044-3									
Delta-BHC	71		63		30-150	12		30	A
Lindane	73		65		30-150	12		30	A
Alpha-BHC	79		70		30-150	12		30	A
Beta-BHC	64		56		30-150	13		30	A
Heptachlor	74		66		30-150	11		30	A
Aldrin	81		70		30-150	15		30	A
Heptachlor epoxide	73		65		30-150	12		30	A
Endrin	78		69		30-150	12		30	A
Endrin ketone	61		58		30-150	5		30	A
Dieldrin	76		67		30-150	13		30	A
4,4'-DDE	76		67		30-150	13		30	A
4,4'-DDD	75		67		30-150	11		30	A
4,4'-DDT	72		64		30-150	12		30	A
Endosulfan I	76		67		30-150	13		30	A
Endosulfan II	74		66		30-150	11		30	A
Endosulfan sulfate	66		59		30-150	11		30	A
Methoxychlor	59		54		30-150	9		30	A
cis-Chlordane	74		65		30-150	13		30	A
trans-Chlordane	72		63		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG687044-2 WG687044-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		61		30-150	A
Decachlorobiphenyl	64		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		60		30-150	B
Decachlorobiphenyl	69		62		30-150	B

METALS

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

SAMPLE RESULTS

Lab ID: L1409223-01

Date Collected: 05/01/14 09:30

Client ID: A6-SW (3')

Date Received: 05/01/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4600		mg/kg	9.8	2.0	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Antimony, Total	1.2	J	mg/kg	4.9	0.78	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Arsenic, Total	7.5		mg/kg	0.98	0.20	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Barium, Total	650		mg/kg	0.98	0.29	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Beryllium, Total	0.26	J	mg/kg	0.49	0.10	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Cadmium, Total	1.2		mg/kg	0.98	0.07	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Calcium, Total	42000		mg/kg	9.8	2.9	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Chromium, Total	34		mg/kg	0.98	0.20	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Cobalt, Total	7.1		mg/kg	2.0	0.49	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Copper, Total	37		mg/kg	0.98	0.20	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.9	2.0	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Lead, Total	580		mg/kg	4.9	0.20	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Magnesium, Total	3500		mg/kg	9.8	0.98	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.98	0.20	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Mercury, Total	3.2		mg/kg	0.10	0.02	1	05/06/14 10:54	05/06/14 12:32	EPA 7471B	1,7471B	MC
Nickel, Total	85		mg/kg	2.4	0.39	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Potassium, Total	760		mg/kg	240	39.	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Selenium, Total	0.39	J	mg/kg	2.0	0.29	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.98	0.20	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Sodium, Total	160	J	mg/kg	200	29.	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.0	0.39	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.98	0.10	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG
Zinc, Total	720		mg/kg	4.9	0.68	2	05/06/14 11:03	05/06/14 18:53	EPA 3050B	1,6010C	MG



Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG687472-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/06/14 10:54	05/06/14 11:37	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG687545-1										
Aluminum, Total	1.1	J	mg/kg	4.0	0.80	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Selenium, Total	0.17	J	mg/kg	0.80	0.12	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG
Zinc, Total	0.86	J	mg/kg	2.0	0.28	1	05/06/14 11:03	05/06/14 18:00	1,6010C	MG

Project Name: 520 W 28TH ST.

Lab Number: L1409223

Project Number: E040

Report Date: 05/08/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 W 28TH ST.**Project Number:** E040**Lab Number:** L1409223**Report Date:** 05/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG687472-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG687545-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	82	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	94	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	95	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	93	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	87	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	91	-	74-126	-	
Selenium, Total	95	-	80-120	-	
Silver, Total	94	-	66-134	-	
Sodium, Total	95	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG687545-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG687472-4 QC Sample: L1409090-05 Client ID: MS Sample												
Mercury, Total	0.08	0.147	0.25	116		-	-		80-120	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG687545-4 QC Sample: L1408686-01 Client ID: MS Sample									
Aluminum, Total	18000	181	20000	1100	Q	-	75-125	-	20
Antimony, Total	49.	45.3	78	64	Q	-	75-125	-	20
Arsenic, Total	24.	10.9	26	18	Q	-	75-125	-	20
Barium, Total	320	181	540	121		-	75-125	-	20
Beryllium, Total	ND	4.53	3.9	86		-	75-125	-	20
Cadmium, Total	2.7	4.62	7.4	102		-	75-125	-	20
Calcium, Total	76000	907	79000	331	Q	-	75-125	-	20
Chromium, Total	5600	18.1	4600	0	Q	-	75-125	-	20
Cobalt, Total	420	45.3	310	0	Q	-	75-125	-	20
Copper, Total	1400	22.7	580	0	Q	-	75-125	-	20
Iron, Total	87000	90.7	67000	0	Q	-	75-125	-	20
Lead, Total	120	46.2	140	43	Q	-	75-125	-	20
Magnesium, Total	16000	907	19000	331	Q	-	75-125	-	20
Manganese, Total	5700	45.3	5200	0	Q	-	75-125	-	20
Nickel, Total	11000	45.3	6200	0	Q	-	75-125	-	20
Potassium, Total	600	907	1800	132	Q	-	75-125	-	20
Selenium, Total	8.9	10.9	20	102		-	75-125	-	20
Silver, Total	2.9	27.2	31	103		-	75-125	-	20
Sodium, Total	200	907	1200	110		-	75-125	-	20
Thallium, Total	ND	10.9	6.2	57	Q	-	75-125	-	20
Vanadium, Total	290	45.3	440	331	Q	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG687545-4 QC Sample: L1408686-01 Client ID: MS Sample									
Zinc, Total	190	45.3	240	110	-	-	75-125	-	20

Project Name: 520 W 28TH ST.
Project Number: E040

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1409223
Report Date: 05/08/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG687472-3 QC Sample: L1409090-05 Client ID: DUP Sample						
Mercury, Total	0.08	0.06J	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG687545-3 QC Sample: L1408686-01 Client ID: DUP Sample						
Arsenic, Total	24.	18	mg/kg	29	Q	20
Barium, Total	320	330	mg/kg	3		20
Cadmium, Total	2.7	2.6	mg/kg	4		20
Lead, Total	120	96	mg/kg	22	Q	20
Selenium, Total	8.9	8.4	mg/kg	6		20
Silver, Total	2.9	2.5	mg/kg	15		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG687545-3 QC Sample: L1408686-01 Client ID: DUP Sample						
Chromium, Total	5600	6100	mg/kg	9		20

INORGANICS & MISCELLANEOUS

Project Name: 520 W 28TH ST.**Project Number:** E040**Lab Number:** L1409223**Report Date:** 05/08/14**SAMPLE RESULTS****Lab ID:** L1409223-01**Client ID:** A6-SW (3')**Sample Location:** 520 W 28TH ST, NYC**Matrix:** Soil**Date Collected:** 05/01/14 09:30**Date Received:** 05/01/14**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	78.0		%	0.100	NA	1	-	05/02/14 23:33	30,2540G	RT



Project Name: 520 W 28TH ST.
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1409223
Report Date: 05/08/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG687008-1 QC Sample: L1409223-01 Client ID: A6-SW (3')						
Solids, Total	78.0	75.1	%	4		20

Project Name: 520 W 28TH ST.

Project Number: E040

Lab Number: L1409223

Report Date: 05/08/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/02/2014 01:37

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1409223-01A	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1409223-01B	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1409223-01C	5 gram Encore Sampler	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1409223-01D	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)
L1409223-01E	Amber 250ml unpreserved	A	N/A	3.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1409223-01X	Vial MeOH preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1409223-01Y	Vial Water preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1409223-01Z	Vial Water preserved split	A	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1409223-02A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1409223-02B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14

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: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 520 W 28TH ST.**Lab Number:** L1409223**Project Number:** E040**Report Date:** 05/08/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.

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

PAGE 1 OF 1

Date Due: 11/11/11 Time:

Criteria

PO #:

Other Project Specific Requirements/Comments/Detection Limits:

52

Page 69 of 69
FORM NO: 01-01 (rev. 14-OCT-07)



ANALYTICAL REPORT

Lab Number:	L1408930
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	05/05/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1408930-01	D6-SW (2')	520 W 28TH ST, NYC	04/28/14 11:25
L1408930-02	C6-SW (2.5')	520 W 28TH ST, NYC	04/28/14 13:05
L1408930-03	B6-SW (3')	520 W 28TH ST, NYC	04/28/14 14:20
L1408930-04	TRIP BLANK	520 W 28TH ST, NYC	04/28/14 00:00

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

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.

Pesticides

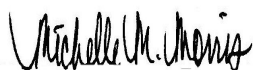
L1408930-02 has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L1408930-01, -02, and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 05/05/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01
Client ID: D6-SW (2')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/01/14 17:35
Analyst: BN
Percent Solids: 82%

Date Collected: 04/28/14 11:25
Date Received: 04/28/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		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	0.35	1
Tetrachloroethene	0.93	J	ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	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	5.7	0.52	1
Bromoform	ND		ug/kg	4.6	0.47	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.20	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Chloromethane	ND		ug/kg	5.7	0.90	1
Bromomethane	ND		ug/kg	2.3	0.39	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	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	0.33	J	ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.28	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01
 Client ID: D6-SW (2')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 04/28/14 11:25
 Date Received: 04/28/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.37	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	0.19	1
Styrene	ND		ug/kg	2.3	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.25	1
Acetone	9.0	J	ug/kg	11	3.6	1
Carbon disulfide	ND		ug/kg	11	2.3	1
2-Butanone	ND		ug/kg	11	0.41	1
Vinyl acetate	ND		ug/kg	11	0.55	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.26	1
2-Hexanone	ND		ug/kg	11	0.22	1
Bromochloromethane	ND		ug/kg	5.7	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.23	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.7	0.64	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	5.7	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	5.7	0.88	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	5.7	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.90	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.18	1
4-Ethyltoluene	ND		ug/kg	4.6	0.13	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01

Date Collected: 04/28/14 11:25

Client ID: D6-SW (2')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02
Client ID: C6-SW (2.5')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/01/14 18:05
Analyst: BN
Percent Solids: 86%

Date Collected: 04/28/14 13:05
Date Received: 04/28/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	4.9		ug/kg	2.0	0.23	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	2.5		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.60	1
Bromoform	ND		ug/kg	5.3	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.6	1.0	1
Bromomethane	ND		ug/kg	2.6	0.45	1
Vinyl chloride	1.5	J	ug/kg	2.6	0.19	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	6.0		ug/kg	2.0	0.28	1
Trichloroethene	2.2		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.32	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02
 Client ID: C6-SW (2.5')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 04/28/14 13:05
 Date Received: 04/28/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.14	1
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.36	1
cis-1,2-Dichloroethene	15		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.6	0.41	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.1	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.47	1
Vinyl acetate	ND		ug/kg	13	0.63	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.6	0.74	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.56	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.6	1.0	1
Acrylonitrile	ND		ug/kg	13	0.31	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.76	1
1,4-Dioxane	ND		ug/kg	130	23.	1
1,4-Diethylbenzene	ND		ug/kg	5.3	0.21	1
4-Ethyltoluene	ND		ug/kg	5.3	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02

Date Collected: 04/28/14 13:05

Client ID: C6-SW (2.5')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.17	1
Ethyl ether	0.40	J	ug/kg	6.6	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03
Client ID: B6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/01/14 18:34
Analyst: BN
Percent Solids: 87%

Date Collected: 04/28/14 14:20
Date Received: 04/28/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	0.38	J	ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.7	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.92	1
Bromomethane	ND		ug/kg	2.3	0.40	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03

Date Collected: 04/28/14 14:20

Client ID: B6-SW (3')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.38	1
o-Xylene	ND		ug/kg	2.3	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.8	0.66	1
o-Chlorotoluene	ND		ug/kg	5.8	0.19	1
p-Chlorotoluene	ND		ug/kg	5.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.49	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.8	0.90	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.19	1
4-Ethyltoluene	ND		ug/kg	4.7	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03

Date Collected: 04/28/14 14:20

Client ID: B6-SW (3')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-04
Client ID: TRIP BLANK
Sample Location: 520 W 28TH ST, NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/02/14 16:51
Analyst: PD

Date Collected: 04/28/14 00:00
Date Received: 04/28/14
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: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-04
 Client ID: TRIP BLANK
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 04/28/14 00:00
 Date Received: 04/28/14
 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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-04

Date Collected: 04/28/14 00:00

Client ID: TRIP BLANK

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

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	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/01/14 12:41
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG686926-3					
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: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/01/14 12:41
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG686926-3					
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
Xylene (Total)	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/01/14 12:41
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG686926-3					
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/01/14 12:41

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG686926-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/02/14 11:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG687231-3					
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: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/02/14 11:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG687231-3					
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: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/02/14 11:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG687231-3					
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
Ethyl Acetate	ND		ug/l	10	0.70
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG686926-1 WG686926-2								
Methylene chloride	100		102		70-130	2		30
1,1-Dichloroethane	101		99		70-130	2		30
Chloroform	102		101		70-130	1		30
Carbon tetrachloride	110		101		70-130	9		30
1,2-Dichloropropane	104		103		70-130	1		30
Dibromochloromethane	88		88		70-130	0		30
1,1,2-Trichloroethane	88		89		70-130	1		30
Tetrachloroethene	94		89		70-130	5		30
Chlorobenzene	89		88		70-130	1		30
Trichlorofluoromethane	115		105		70-139	9		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	106		101		70-130	5		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	86		86		70-130	0		30
cis-1,3-Dichloropropene	104		105		70-130	1		30
1,1-Dichloropropene	107		101		70-130	6		30
Bromoform	81		80		70-130	1		30
1,1,2,2-Tetrachloroethane	80		81		70-130	1		30
Benzene	104		100		70-130	4		30
Toluene	88		85		70-130	3		30
Ethylbenzene	89		85		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG686926-1 WG686926-2								
Chloromethane	91		86		52-130	6		30
Bromomethane	117		109		57-147	7		30
Vinyl chloride	100		92		67-130	8		30
Chloroethane	98		92		50-151	6		30
1,1-Dichloroethene	107		99		65-135	8		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	104		101		70-130	3		30
1,2-Dichlorobenzene	85		84		70-130	1		30
1,3-Dichlorobenzene	85		84		70-130	1		30
1,4-Dichlorobenzene	86		84		70-130	2		30
Methyl tert butyl ether	94		95		66-130	1		30
p/m-Xylene	90		87		70-130	3		30
o-Xylene	90		88		70-130	2		30
cis-1,2-Dichloroethene	105		102		70-130	3		30
Dibromomethane	104		106		70-130	2		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	98		89		30-146	10		30
Acetone	123		115		54-140	7		30
Carbon disulfide	96		90		59-130	6		30
2-Butanone	96		93		70-130	3		30
Vinyl acetate	94		94		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG686926-1 WG686926-2								
4-Methyl-2-pentanone	103		105		70-130	2		30
1,2,3-Trichloropropane	78		79		68-130	1		30
2-Hexanone	82		83		70-130	1		30
Bromochloromethane	109		110		70-130	1		30
2,2-Dichloropropane	104		100		70-130	4		30
1,2-Dibromoethane	88		89		70-130	1		30
1,3-Dichloropropane	86		87		69-130	1		30
1,1,1,2-Tetrachloroethane	90		89		70-130	1		30
Bromobenzene	83		82		70-130	1		30
n-Butylbenzene	86		81		70-130	6		30
sec-Butylbenzene	86		82		70-130	5		30
tert-Butylbenzene	85		79		70-130	7		30
o-Chlorotoluene	80		78		70-130	3		30
p-Chlorotoluene	82		80		70-130	2		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	91		84		67-130	8		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	86		81		70-130	6		30
Naphthalene	84		83		70-130	1		30
Acrylonitrile	98		99		70-130	1		30
Isopropyl Ether	100		101		66-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG686926-1 WG686926-2								
tert-Butyl Alcohol	102		105		70-130	3		30
n-Propylbenzene	84		79		70-130	6		30
1,2,3-Trichlorobenzene	87		86		70-130	1		30
1,2,4-Trichlorobenzene	88		86		70-130	2		30
1,3,5-Trimethylbenzene	84		80		70-130	5		30
1,2,4-Trimethylbenzene	83		81		70-130	2		30
Methyl Acetate	96		97		51-146	1		30
Ethyl Acetate	99		99		70-130	0		30
Acrolein	90		90		70-130	0		30
Cyclohexane	120		109		59-142	10		30
1,4-Dioxane	112		120		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	118		108		50-139	9		30
1,4-Diethylbenzene	114		109		70-130	4		30
4-Ethyltoluene	110		106		70-130	4		30
1,2,4,5-Tetramethylbenzene	112		110		70-130	2		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	87		87		67-130	0		30
trans-1,4-Dichloro-2-butene	75		75		70-130	0		30
Methyl cyclohexane	119		109		70-130	9		30
Ethyl-Tert-Butyl-Ether	103		103		70-130	0		30
Tertiary-Amyl Methyl Ether	104		104		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG686926-1 WG686926-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	90		88		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG687231-1 WG687231-2								
Methylene chloride	110		102		70-130	8		20
1,1-Dichloroethane	111		104		70-130	7		20
Chloroform	115		108		70-130	6		20
2-Chloroethylvinyl ether	63	Q	68	Q	70-130	8		20
Carbon tetrachloride	116		109		63-132	6		20
1,2-Dichloropropane	107		101		70-130	6		20
Dibromochloromethane	107		102		63-130	5		20
1,1,2-Trichloroethane	103		100		70-130	3		20
Tetrachloroethene	114		106		70-130	7		20
Chlorobenzene	111		105		75-130	6		20
Trichlorofluoromethane	96		106		62-150	10		20
1,2-Dichloroethane	114		106		70-130	7		20
1,1,1-Trichloroethane	123		115		67-130	7		20
Bromodichloromethane	114		107		67-130	6		20
trans-1,3-Dichloropropene	93		87		70-130	7		20
cis-1,3-Dichloropropene	110		103		70-130	7		20
1,1-Dichloropropene	113		103		70-130	9		20
Bromoform	107		102		54-136	5		20
1,1,2,2-Tetrachloroethane	100		95		67-130	5		20
Benzene	108		101		70-130	7		20
Toluene	111		104		70-130	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG687231-1 WG687231-2								
Ethylbenzene	114		106		70-130	7		20
Chloromethane	84		71		64-130	17		20
Bromomethane	79		77		39-139	3		20
Vinyl chloride	99		93		55-140	6		20
Chloroethane	92		79		55-138	15		20
1,1-Dichloroethene	118		104		61-145	13		20
trans-1,2-Dichloroethene	114		100		70-130	13		20
Trichloroethene	114		102		70-130	11		20
1,2-Dichlorobenzene	111		104		70-130	7		20
1,3-Dichlorobenzene	112		106		70-130	6		20
1,4-Dichlorobenzene	110		106		70-130	4		20
Methyl tert butyl ether	111		101		63-130	9		20
p/m-Xylene	116		107		70-130	8		20
o-Xylene	116		108		70-130	7		20
cis-1,2-Dichloroethene	108		100		70-130	8		20
Dibromomethane	107		100		70-130	7		20
1,2,3-Trichloropropane	103		100		64-130	3		20
Acrylonitrile	91		86		70-130	6		20
Isopropyl Ether	103		95		70-130	8		20
tert-Butyl Alcohol	119		116		70-130	3		20
Styrene	115		108		70-130	6		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG687231-1 WG687231-2								
Dichlorodifluoromethane	102		96		36-147	6		20
Acetone	73		66		58-148	10		20
Carbon disulfide	109		94		51-130	15		20
2-Butanone	66		60	Q	63-138	10		20
Vinyl acetate	96		90		70-130	6		20
4-Methyl-2-pentanone	92		86		59-130	7		20
2-Hexanone	86		81		57-130	6		20
Acrolein	96		93		40-160	3		20
Bromochloromethane	114		109		70-130	4		20
2,2-Dichloropropane	126		117		63-133	7		20
1,2-Dibromoethane	104		100		70-130	4		20
1,3-Dichloropropane	104		100		70-130	4		20
1,1,1,2-Tetrachloroethane	120		113		64-130	6		20
Bromobenzene	113		108		70-130	5		20
n-Butylbenzene	115		106		53-136	8		20
sec-Butylbenzene	118		108		70-130	9		20
tert-Butylbenzene	117		110		70-130	6		20
o-Chlorotoluene	115		107		70-130	7		20
p-Chlorotoluene	116		110		70-130	5		20
1,2-Dibromo-3-chloropropane	92		85		41-144	8		20
Hexachlorobutadiene	113		102		63-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG687231-1 WG687231-2								
Isopropylbenzene	116		106		70-130	9		20
p-Isopropyltoluene	117		108		70-130	8		20
Naphthalene	91		90		70-130	1		20
n-Propylbenzene	118		109		69-130	8		20
1,2,3-Trichlorobenzene	100		97		70-130	3		20
1,2,4-Trichlorobenzene	104		98		70-130	6		20
1,3,5-Trimethylbenzene	117		110		64-130	6		20
1,2,4-Trimethylbenzene	116		109		70-130	6		20
Methyl Acetate	93		88		70-130	6		20
Ethyl Acetate	102		97		70-130	5		20
Cyclohexane	110		97		70-130	13		20
Ethyl-Tert-Butyl-Ether	106		99		70-130	7		20
Tertiary-Amyl Methyl Ether	97		92		66-130	5		20
1,4-Dioxane	88		84		56-162	5		20
Freon-113	114		109		70-130	4		20
p-Diethylbenzene	116		108		70-130	7		20
p-Ethyltoluene	119		110		70-130	8		20
1,2,4,5-Tetramethylbenzene	116		108		70-130	7		20
Ethyl ether	90		106		59-134	16		20
trans-1,4-Dichloro-2-butene	100		96		70-130	4		20
Methyl cyclohexane	114		102		70-130	11		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG687231-1 WG687231-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		105		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	109		106		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01
Client ID: D6-SW (2')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/01/14 20:31
Analyst: RC
Percent Solids: 82%

Date Collected: 04/28/14 11:25
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/30/14 04:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	260		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	6400		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	180	J	ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	3000		ug/kg	120	40.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01
 Client ID: D6-SW (2')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 04/28/14 11:25
 Date Received: 04/28/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3200		ug/kg	160	49.	1
Benzo(b)fluoranthene	3500		ug/kg	120	41.	1
Benzo(k)fluoranthene	2200		ug/kg	120	38.	1
Chrysene	3100		ug/kg	120	40.	1
Acenaphthylene	940		ug/kg	160	38.	1
Anthracene	1300		ug/kg	120	34.	1
Benzo(ghi)perylene	2200		ug/kg	160	42.	1
Fluorene	340		ug/kg	200	58.	1
Phenanthrene	3400		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	830		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2500		ug/kg	160	45.	1
Pyrene	5700		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	160	J	ug/kg	200	67.	1
2-Methylnaphthalene	99	J	ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	340		ug/kg	200	43.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01

Date Collected: 04/28/14 11:25

Client ID: D6-SW (2')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	46		0-136
4-Terphenyl-d14	56		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02
Client ID: C6-SW (2.5')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/01/14 20:59
Analyst: RC
Percent Solids: 86%

Date Collected: 04/28/14 13:05
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/30/14 04:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	550		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	84	J	ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	250		ug/kg	110	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02
 Client ID: C6-SW (2.5')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 04/28/14 13:05
 Date Received: 04/28/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	260		ug/kg	150	47.	1
Benzo(b)fluoranthene	260		ug/kg	110	39.	1
Benzo(k)fluoranthene	200		ug/kg	110	36.	1
Chrysene	270		ug/kg	110	38.	1
Acenaphthylene	51	J	ug/kg	150	36.	1
Anthracene	92	J	ug/kg	110	32.	1
Benzo(ghi)perylene	220		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	280		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	71	J	ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	200		ug/kg	150	42.	1
Pyrene	510		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	240	J	ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02

Date Collected: 04/28/14 13:05

Client ID: C6-SW (2.5')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	64		0-136
4-Terphenyl-d14	57		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03
Client ID: B6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/01/14 21:27
Analyst: RC
Percent Solids: 87%

Date Collected: 04/28/14 14:20
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/30/14 04:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	J	ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	1300		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	73	J	ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	520		ug/kg	110	37.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03
 Client ID: B6-SW (3')
 Sample Location: 520 W 28TH ST, NYC

Date Collected: 04/28/14 14:20
 Date Received: 04/28/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	460		ug/kg	150	46.	1
Benzo(b)fluoranthene	610		ug/kg	110	38.	1
Benzo(k)fluoranthene	370		ug/kg	110	36.	1
Chrysene	580		ug/kg	110	37.	1
Acenaphthylene	150		ug/kg	150	35.	1
Anthracene	180		ug/kg	110	31.	1
Benzo(ghi)perylene	370		ug/kg	150	39.	1
Fluorene	120	J	ug/kg	190	54.	1
Phenanthrene	1100		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	420		ug/kg	150	42.	1
Pyrene	1000		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	74	J	ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	120	J	ug/kg	190	40.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03

Date Collected: 04/28/14 14:20

Client ID: B6-SW (3')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	25		0-136
4-Terphenyl-d14	49		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/01/14 09:22
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/30/14 04:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG686067-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/01/14 09:22
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/30/14 04:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG686067-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/01/14 09:22
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/30/14 04:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG686067-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Tentatively Identified Compounds

Unknown 160 J ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	90		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG686067-2 WG686067-3								
Acenaphthene	74		79		31-137	7		50
1,2,4-Trichlorobenzene	71		73		38-107	3		50
Hexachlorobenzene	95		95		40-140	0		50
Bis(2-chloroethyl)ether	61		63		40-140	3		50
2-Chloronaphthalene	78		85		40-140	9		50
1,2-Dichlorobenzene	68		69		40-140	1		50
1,3-Dichlorobenzene	66		67		40-140	2		50
1,4-Dichlorobenzene	66		66		28-104	0		50
3,3'-Dichlorobenzidine	64		63		40-140	2		50
2,4-Dinitrotoluene	86		89		28-89	3		50
2,6-Dinitrotoluene	84		86		40-140	2		50
Fluoranthene	92		92		40-140	0		50
4-Chlorophenyl phenyl ether	81		84		40-140	4		50
4-Bromophenyl phenyl ether	88		88		40-140	0		50
Bis(2-chloroisopropyl)ether	64		67		40-140	5		50
Bis(2-chloroethoxy)methane	66		66		40-117	0		50
Hexachlorobutadiene	71		76		40-140	7		50
Hexachlorocyclopentadiene	70		76		40-140	8		50
Hexachloroethane	66		68		40-140	3		50
Isophorone	70		72		40-140	3		50
Naphthalene	71		74		40-140	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG686067-2 WG686067-3								
Nitrobenzene	69		74		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	89		87			2		50
n-Nitrosodi-n-propylamine	66		70		32-121	6		50
Bis(2-ethylhexyl)phthalate	80		79		40-140	1		50
Butyl benzyl phthalate	89		87		40-140	2		50
Di-n-butylphthalate	86		87		40-140	1		50
Di-n-octylphthalate	83		82		40-140	1		50
Diethyl phthalate	85		84		40-140	1		50
Dimethyl phthalate	80		82		40-140	2		50
Benzo(a)anthracene	85		84		40-140	1		50
Benzo(a)pyrene	84		83		40-140	1		50
Benzo(b)fluoranthene	82		81		40-140	1		50
Benzo(k)fluoranthene	86		85		40-140	1		50
Chrysene	84		84		40-140	0		50
Acenaphthylene	82		85		40-140	4		50
Anthracene	84		85		40-140	1		50
Benzo(ghi)perylene	86		85		40-140	1		50
Fluorene	84		83		40-140	1		50
Phenanthrene	85		87		40-140	2		50
Dibenzo(a,h)anthracene	84		85		40-140	1		50
Indeno(1,2,3-cd)pyrene	85		85		40-140	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG686067-2 WG686067-3								
Pyrene	90		90		35-142	0		50
Biphenyl	73		78			7		50
4-Chloroaniline	69		70		40-140	1		50
2-Nitroaniline	86		86		47-134	0		50
3-Nitroaniline	66		64		26-129	3		50
4-Nitroaniline	90		86		41-125	5		50
Dibenzofuran	81		84		40-140	4		50
2-Methylnaphthalene	73		78		40-140	7		50
1,2,4,5-Tetrachlorobenzene	70		75		40-117	7		50
Acetophenone	68		72		14-144	6		50
2,4,6-Trichlorophenol	85		89		30-130	5		50
P-Chloro-M-Cresol	81		86		26-103	6		50
2-Chlorophenol	73		75		25-102	3		50
2,4-Dichlorophenol	81		87		30-130	7		50
2,4-Dimethylphenol	78		81		30-130	4		50
2-Nitrophenol	70		74		30-130	6		50
4-Nitrophenol	110		109		11-114	1		50
2,4-Dinitrophenol	68		69		4-130	1		50
4,6-Dinitro-o-cresol	85		83		10-130	2		50
Pentachlorophenol	88		86		17-109	2		50
Phenol	71		71		26-90	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG686067-2 WG686067-3								
2-Methylphenol	76		79		30-130.	4		50
3-Methylphenol/4-Methylphenol	73		78		30-130	7		50
2,4,5-Trichlorophenol	89		92		30-130	3		50
Benzoic Acid	45		44			2		50
Benzyl Alcohol	74		73		40-140	1		50
Carbazole	89		88		54-128	1		50
Benzaldehyde	75		79			5		50
Caprolactam	85		87			2		50
Atrazine	95		99			4		50
2,3,4,6-Tetrachlorophenol	85		88			3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		74		25-120
Phenol-d6	77		75		10-120
Nitrobenzene-d5	70		74		23-120
2-Fluorobiphenyl	78		80		30-120
2,4,6-Tribromophenol	97		95		0-136
4-Terphenyl-d14	96		91		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01
Client ID: D6-SW (2')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/30/14 14:14
Analyst: SS
Percent Solids: 82%

Date Collected: 04/28/14 11:25
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/14 16:03
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.05	1	A
Aroclor 1221	ND		ug/kg	38.6	3.56	1	A
Aroclor 1232	ND		ug/kg	38.6	4.52	1	A
Aroclor 1242	ND		ug/kg	38.6	4.72	1	A
Aroclor 1248	ND		ug/kg	38.6	3.26	1	A
Aroclor 1254	229		ug/kg	38.6	3.17	1	A
Aroclor 1260	218		ug/kg	38.6	2.94	1	B
Aroclor 1262	ND		ug/kg	38.6	1.91	1	A
Aroclor 1268	ND		ug/kg	38.6	5.60	1	A
PCBs, Total	447		ug/kg	38.6	1.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02
Client ID: C6-SW (2.5')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/30/14 15:25
Analyst: SS
Percent Solids: 86%

Date Collected: 04/28/14 13:05
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/14 16:03
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	2.89	1	A
Aroclor 1221	ND		ug/kg	36.6	3.37	1	A
Aroclor 1232	ND		ug/kg	36.6	4.28	1	A
Aroclor 1242	ND		ug/kg	36.6	4.48	1	A
Aroclor 1248	217		ug/kg	36.6	3.09	1	B
Aroclor 1254	349		ug/kg	36.6	3.00	1	B
Aroclor 1260	164		ug/kg	36.6	2.79	1	B
Aroclor 1262	ND		ug/kg	36.6	1.81	1	A
Aroclor 1268	ND		ug/kg	36.6	5.30	1	A
PCBs, Total	730		ug/kg	36.6	1.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03
Client ID: B6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/30/14 15:37
Analyst: SS
Percent Solids: 87%

Date Collected: 04/28/14 14:20
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/14 16:03
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.90	1	A
Aroclor 1221	ND		ug/kg	36.8	3.39	1	A
Aroclor 1232	ND		ug/kg	36.8	4.31	1	A
Aroclor 1242	ND		ug/kg	36.8	4.50	1	A
Aroclor 1248	132		ug/kg	36.8	3.10	1	B
Aroclor 1254	291		ug/kg	36.8	3.02	1	B
Aroclor 1260	468		ug/kg	36.8	2.80	1	B
Aroclor 1262	ND		ug/kg	36.8	1.82	1	A
Aroclor 1268	ND		ug/kg	36.8	5.33	1	A
PCBs, Total	891		ug/kg	36.8	1.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 04/30/14 14:26
 Analyst: SS

Extraction Method: EPA 3546
 Extraction Date: 04/29/14 16:03
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/30/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG685957-1						
Aroclor 1016	ND		ug/kg	32.4	2.56	A
Aroclor 1221	ND		ug/kg	32.4	2.98	A
Aroclor 1232	ND		ug/kg	32.4	3.80	A
Aroclor 1242	ND		ug/kg	32.4	3.96	A
Aroclor 1248	ND		ug/kg	32.4	2.73	A
Aroclor 1254	ND		ug/kg	32.4	2.66	A
Aroclor 1260	ND		ug/kg	32.4	2.47	A
Aroclor 1262	ND		ug/kg	32.4	1.61	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A
PCBs, Total	ND		ug/kg	32.4	1.61	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	70		30-150	B
Decachlorobiphenyl	63		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG685957-2 WG685957-3									
Aroclor 1016	71		67		40-140	6		50	A
Aroclor 1260	56		53		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		75		30-150	A
Decachlorobiphenyl	65		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		84		30-150	B
Decachlorobiphenyl	75		69		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-01
Client ID: D6-SW (2')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/02/14 07:58
Analyst: SH
Percent Solids: 82%

Date Collected: 04/28/14 11:25
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/14 15:57
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.763	0.341	1	A
Alpha-BHC	ND		ug/kg	0.763	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.694	1	A
Heptachlor	ND		ug/kg	0.915	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.644	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.763	0.313	1	A
Dieldrin	ND		ug/kg	1.14	0.572	1	A
4,4'-DDE	ND		ug/kg	1.83	0.423	1	A
4,4'-DDD	ND		ug/kg	1.83	0.653	1	A
4,4'-DDT	27.3		ug/kg	3.43	1.47	1	B
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.763	0.363	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A
trans-Chlordane	ND		ug/kg	2.29	0.604	1	A
Chlordane	ND		ug/kg	14.9	6.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	162	Q	30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-02 D
Client ID: C6-SW (2.5')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/14 10:24
Analyst: SH
Percent Solids: 86%

Date Collected: 04/28/14 13:05
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/14 15:57
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.78	1.72	5	A
Lindane	ND		ug/kg	3.66	1.63	5	A
Alpha-BHC	ND		ug/kg	3.66	1.04	5	A
Beta-BHC	ND		ug/kg	8.78	3.33	5	A
Heptachlor	ND		ug/kg	4.39	1.97	5	A
Aldrin	ND		ug/kg	8.78	3.09	5	A
Heptachlor epoxide	ND		ug/kg	16.4	4.94	5	A
Endrin	ND		ug/kg	3.66	1.50	5	A
Dieldrin	ND		ug/kg	5.48	2.74	5	A
4,4'-DDE	ND		ug/kg	8.78	2.03	5	A
4,4'-DDD	ND		ug/kg	8.78	3.13	5	A
4,4'-DDT	ND		ug/kg	16.4	7.06	5	A
Endosulfan I	ND		ug/kg	8.78	2.07	5	A
Endosulfan II	ND		ug/kg	8.78	2.93	5	A
Endosulfan sulfate	ND		ug/kg	3.66	1.74	5	A
Methoxychlor	ND		ug/kg	16.4	5.12	5	A
cis-Chlordane	ND		ug/kg	11.0	3.06	5	A
trans-Chlordane	ND		ug/kg	11.0	2.90	5	A
Chlordane	ND		ug/kg	71.3	29.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1408930**Project Number:** E040**Report Date:** 05/05/14**SAMPLE RESULTS**

Lab ID: L1408930-03
Client ID: B6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/02/14 08:24
Analyst: SH
Percent Solids: 87%

Date Collected: 04/28/14 14:20
Date Received: 04/28/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/14 15:57
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.719	0.321	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	ND		ug/kg	0.863	0.387	1	A
Aldrin	ND		ug/kg	1.72	0.608	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.971	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Dieldrin	ND		ug/kg	1.08	0.539	1	A
4,4'-DDE	ND		ug/kg	1.72	0.399	1	A
4,4'-DDD	ND		ug/kg	1.72	0.616	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.72	0.408	1	A
Endosulfan II	ND		ug/kg	1.72	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.342	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
cis-Chlordane	ND		ug/kg	2.16	0.601	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.0	5.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/02/14 05:33
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 04/29/14 15:57
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG685956-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.650	0.290	A
Alpha-BHC	ND		ug/kg	0.650	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.591	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.877	A
Endrin	ND		ug/kg	0.650	0.266	A
Dieldrin	ND		ug/kg	0.975	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
cis-Chlordane	ND		ug/kg	1.95	0.543	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	12.7	5.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	143		30-150	A
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG685956-2 WG685956-3									
Delta-BHC	92		90		30-150	2		30	A
Lindane	101		98		30-150	3		30	A
Alpha-BHC	94		92		30-150	2		30	A
Beta-BHC	92		88		30-150	4		30	A
Heptachlor	97		96		30-150	1		30	A
Aldrin	105		107		30-150	2		30	A
Heptachlor epoxide	106		106		30-150	0		30	A
Endrin	116		119		30-150	3		30	A
Endrin ketone	111		111		30-150	0		30	A
Dieldrin	111		113		30-150	2		30	A
4,4'-DDE	111		115		30-150	4		30	A
4,4'-DDD	113		116		30-150	3		30	A
4,4'-DDT	115		115		30-150	0		30	A
Endosulfan I	117		120		30-150	3		30	A
Endosulfan II	111		115		30-150	4		30	A
Endosulfan sulfate	114		115		30-150	1		30	A
Methoxychlor	106		107		30-150	1		30	A
cis-Chlordane	100		110		30-150	10		30	A
trans-Chlordane	104		108		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG685956-2 WG685956-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		81		30-150	A
Decachlorobiphenyl	109		117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		64		30-150	B
Decachlorobiphenyl	80		86		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

SAMPLE RESULTS

Lab ID: L1408930-01

Date Collected: 04/28/14 11:25

Client ID: D6-SW (2')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5800		mg/kg	9.5	1.9	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Antimony, Total	3.7	J	mg/kg	4.7	0.76	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Arsenic, Total	13		mg/kg	0.95	0.19	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Barium, Total	820		mg/kg	0.95	0.28	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Beryllium, Total	0.30	J	mg/kg	0.47	0.10	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Cadmium, Total	4.8		mg/kg	0.95	0.07	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Calcium, Total	27000		mg/kg	9.5	2.8	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Chromium, Total	24		mg/kg	0.95	0.19	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Cobalt, Total	5.6		mg/kg	1.9	0.47	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Copper, Total	140		mg/kg	0.95	0.19	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Iron, Total	20000		mg/kg	4.7	1.9	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Lead, Total	1000		mg/kg	4.7	0.19	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Magnesium, Total	3100		mg/kg	9.5	0.95	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Manganese, Total	340		mg/kg	0.95	0.19	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Mercury, Total	2.0		mg/kg	0.09	0.02	1	05/01/14 10:01	05/01/14 15:57	EPA 7471B	1,7471B	MC
Nickel, Total	31		mg/kg	2.4	0.38	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Potassium, Total	1100		mg/kg	240	38.	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Selenium, Total	0.89	J	mg/kg	1.9	0.28	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Silver, Total	1.4		mg/kg	0.95	0.19	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Sodium, Total	280		mg/kg	190	28.	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Vanadium, Total	27		mg/kg	0.95	0.10	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH
Zinc, Total	990		mg/kg	4.7	0.66	2	05/01/14 12:41	05/02/14 17:09	EPA 3050B	1,6010C	JH



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

SAMPLE RESULTS

Lab ID: L1408930-02
Client ID: C6-SW (2.5')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil
Percent Solids: 86%

Date Collected: 04/28/14 13:05
Date Received: 04/28/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5000		mg/kg	8.8	1.8	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Antimony, Total	32		mg/kg	4.4	0.71	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Arsenic, Total	11		mg/kg	0.88	0.18	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Barium, Total	440		mg/kg	0.88	0.26	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Beryllium, Total	0.34	J	mg/kg	0.44	0.09	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Cadmium, Total	3.7		mg/kg	0.88	0.06	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Calcium, Total	14000		mg/kg	8.8	2.6	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Chromium, Total	23		mg/kg	0.88	0.18	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Cobalt, Total	4.4		mg/kg	1.8	0.44	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Copper, Total	250		mg/kg	0.88	0.18	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Iron, Total	18000		mg/kg	4.4	1.8	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Lead, Total	700		mg/kg	4.4	0.18	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Magnesium, Total	3200		mg/kg	8.8	0.88	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Manganese, Total	170		mg/kg	0.88	0.18	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Mercury, Total	0.70		mg/kg	0.08	0.02	1	05/01/14 10:01	05/01/14 16:03	EPA 7471B	1,7471B	MC
Nickel, Total	38		mg/kg	2.2	0.35	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Potassium, Total	1200		mg/kg	220	35.	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Selenium, Total	0.66	J	mg/kg	1.8	0.26	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Silver, Total	2.8		mg/kg	0.88	0.18	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Sodium, Total	200		mg/kg	180	26.	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Vanadium, Total	19		mg/kg	0.88	0.09	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH
Zinc, Total	1700		mg/kg	4.4	0.62	2	05/01/14 12:41	05/02/14 17:13	EPA 3050B	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

SAMPLE RESULTS

Lab ID: L1408930-03

Date Collected: 04/28/14 14:20

Client ID: B6-SW (3')

Date Received: 04/28/14

Sample Location: 520 W 28TH ST, NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	9.0	1.8	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Antimony, Total	3.3	J	mg/kg	4.5	0.72	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Arsenic, Total	7.7		mg/kg	0.90	0.18	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Barium, Total	710		mg/kg	0.90	0.27	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Beryllium, Total	0.18	J	mg/kg	0.45	0.09	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Cadmium, Total	0.60	J	mg/kg	0.90	0.06	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Calcium, Total	39000		mg/kg	9.0	2.7	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.90	0.18	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Cobalt, Total	3.7		mg/kg	1.8	0.45	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Copper, Total	43		mg/kg	0.90	0.18	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Iron, Total	9900		mg/kg	4.5	1.8	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Lead, Total	1300		mg/kg	4.5	0.18	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Magnesium, Total	3900		mg/kg	9.0	0.90	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Manganese, Total	150		mg/kg	0.90	0.18	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Mercury, Total	0.80		mg/kg	0.09	0.02	1	05/01/14 10:01	05/01/14 16:05	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.36	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Potassium, Total	930		mg/kg	220	36.	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Silver, Total	0.50	J	mg/kg	0.90	0.18	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Sodium, Total	140	J	mg/kg	180	27.	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Vanadium, Total	16		mg/kg	0.90	0.09	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH
Zinc, Total	430		mg/kg	4.5	0.63	2	05/01/14 12:41	05/02/14 17:16	EPA 3050B	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG686298-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/01/14 10:01	05/01/14 15:11	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG686568-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Antimony, Total	0.33	J	mg/kg	2.0	0.32	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Arsenic, Total	0.10	J	mg/kg	0.40	0.08	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Silver, Total	0.20	J	mg/kg	0.40	0.08	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	05/01/14 12:41	05/02/14 16:07	1,6010C	JH

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG686298-2 SRM Lot Number: 0518-10-02								
Mercury, Total	82		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG686568-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	88	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	91	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	95	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	90	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	91	-	74-126	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	98	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1408930**Report Date:** 05/05/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG686568-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1408930

Project Number: E040

Report Date: 05/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG686298-4 QC Sample: L1408895-04 Client ID: MS Sample												
Mercury, Total	0.18	0.154	0.34	104		-	-		80-120	-		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG686568-4 QC Sample: L1408700-01 Client ID: MS Sample									
Aluminum, Total	5800	170	6200	236	Q	-	75-125	-	20
Antimony, Total	1.9J	42.4	33	78		-	75-125	-	20
Arsenic, Total	6.9	10.2	16	89		-	75-125	-	20
Barium, Total	84.	170	220	80		-	75-125	-	20
Beryllium, Total	0.26	4.24	3.5	76		-	75-125	-	20
Cadmium, Total	0.62	4.32	3.9	76		-	75-125	-	20
Calcium, Total	22000	848	23000	118		-	75-125	-	20
Chromium, Total	28.	17	45	100		-	75-125	-	20
Cobalt, Total	3.8	42.4	34	71	Q	-	75-125	-	20
Copper, Total	75.	21.2	83	38	Q	-	75-125	-	20
Iron, Total	11000	84.8	11000	0	Q	-	75-125	-	20
Lead, Total	170	43.2	160	0	Q	-	75-125	-	20
Magnesium, Total	3700	848	3500	0	Q	-	75-125	-	20
Manganese, Total	180	42.4	200	47	Q	-	75-125	-	20
Nickel, Total	52.	42.4	60	19	Q	-	75-125	-	20
Potassium, Total	630	848	1200	67	Q	-	75-125	-	20
Selenium, Total	0.51J	10.2	8.4	82		-	75-125	-	20
Silver, Total	0.13J	25.4	21	82		-	75-125	-	20
Sodium, Total	280	848	1100	97		-	75-125	-	20
Thallium, Total	ND	10.2	6.5	64	Q	-	75-125	-	20
Vanadium, Total	19.	42.4	51	75		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG686568-4 QC Sample: L1408700-01 Client ID: MS Sample									
Zinc, Total	150	42.4	160	24	Q	-	75-125	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG686298-3 QC Sample: L1408895-04 Client ID: DUP Sample						
Mercury, Total	0.18	0.15	mg/kg	18		35
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG686568-3 QC Sample: L1408700-01 Client ID: DUP Sample						
Antimony, Total	1.9J	2.0	mg/kg	NC		20
Arsenic, Total	6.9	7.2	mg/kg	4		20
Barium, Total	84.	92	mg/kg	9		20
Beryllium, Total	0.26	0.25	mg/kg	4		20
Cadmium, Total	0.62	0.68	mg/kg	9		20
Chromium, Total	28.	27	mg/kg	4		20
Copper, Total	75.	78	mg/kg	4		20
Iron, Total	11000	11000	mg/kg	0		20
Lead, Total	170	170	mg/kg	0		20
Nickel, Total	52.	40	mg/kg	26	Q	20
Selenium, Total	0.51J	0.24J	mg/kg	NC		20
Silver, Total	0.13J	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	19.	18	mg/kg	5		20
Zinc, Total	150	150	mg/kg	0		20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1408930**Report Date:** 05/05/14**SAMPLE RESULTS****Lab ID:** L1408930-01**Client ID:** D6-SW (2')**Sample Location:** 520 W 28TH ST, NYC**Matrix:** Soil**Date Collected:** 04/28/14 11:25**Date Received:** 04/28/14**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	82.4		%	0.100	NA	1	-	04/29/14 19:58	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

SAMPLE RESULTS

Lab ID: L1408930-02
Client ID: C6-SW (2.5')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil

Date Collected: 04/28/14 13:05
Date Received: 04/28/14
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	86.1		%	0.100	NA	1	-	04/29/14 19:58	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

SAMPLE RESULTS

Lab ID: L1408930-03
Client ID: B6-SW (3')
Sample Location: 520 W 28TH ST, NYC
Matrix: Soil

Date Collected: 04/28/14 14:20
Date Received: 04/28/14
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	87.3		%	0.100	NA	1	-	04/29/14 19:58	30,2540G	RT



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1408930**Report Date:** 05/05/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG686000-1 QC Sample: L1408923-02 Client ID: DUP Sample						
Solids, Total	97.8	98.0	%	0		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1408930

Report Date: 05/05/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/29/2014 03:09

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1408930-01A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-01B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-01C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-01D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1408930-01E	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1408930-01X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-01Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-01Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-02A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-02B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-02C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-02D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1408930-02E	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1408930**Report Date:** 05/05/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1408930-02X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-02Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-02Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-03A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-03B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-03C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1408930-03D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1408930-03E	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1408930-03X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-03Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-03Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1408930-04A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1408930-04B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)

Container Comments

L1408930-01E

L1408930-02E

L1408930-03E

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1408930
Report Date: 05/05/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.

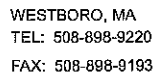
EPA 624: Volatile Halocarbons & Aromatics,

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.



PAGE OF

Serial No:05051413:57

Date Rec'd in Lab:

ALPHA Job #:

21408930

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY Suite 1601
NY, NY

Phone: 212-440-6715

Fax:

SMITH-VIEW INTEGRAL-CORP.COM

Email: A CARROLL @

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 520 WEST 28TH STREET

Project Location: 520 W 28th ST, NYC

Project #: E040

Project Manager: ALAN CARROU

ALPHA Quote #:

Turn-Around Time

7. Standard

☐ **RUSH** (only confirmed if pre-approved!)

Date Due:

Time:

Other Project Specific Requirements/Comments/Detection Limits:

[illegible]

Container Type

E/v	A	A	A	A

Preservative

~~Relinquished By:~~

Date/Time

Received By:

Date/Time

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



ANALYTICAL REPORT

Lab Number:	L1407766
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W. 28TH ST.
Project Number:	E040
Report Date:	04/21/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407766
Report Date: 04/21/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1407766-01	G2-SW (8')	520 W. 28TH ST., NYC	04/14/14 10:50
L1407766-02	TRIP BLANK	520 W. 28TH ST., NYC	04/14/14 00:00

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407766
Report Date: 04/21/14

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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407766
Report Date: 04/21/14

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.

Total Metals

L1407766-01 has elevated detection limits for all elements, with the exception of mercury, due to the analytical dilution required by matrix interferences encountered during analysis.

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: 04/21/14

ORGANICS

VOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01
Client ID: G2-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/17/14 14:15
Analyst: BN
Percent Solids: 81%

Date Collected: 04/14/14 10:50
Date Received: 04/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.1	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01

Date Collected: 04/14/14 10:50

Client ID: G2-SW (8')

Date Received: 04/14/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.1	0.16	1
4-Ethyltoluene	ND		ug/kg	4.1	0.12	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01

Date Collected: 04/14/14 10:50

Client ID: G2-SW (8')

Date Received: 04/14/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-02
Client ID: TRIP BLANK
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/17/14 21:37
Analyst: MS

Date Collected: 04/14/14 00:00
Date Received: 04/14/14
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: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-02

Date Collected: 04/14/14 00:00

Client ID: TRIP BLANK

Date Received: 04/14/14

Sample Location: 520 W. 28TH ST., NYC

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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-02

Date Collected: 04/14/14 00:00

Client ID: TRIP BLANK

Date Received: 04/14/14

Sample Location: 520 W. 28TH ST., NYC

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	92		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/14 21:05
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG683230-3					
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: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/14 21:05
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG683230-3					
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: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/14 21:05
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG683230-3					
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
Ethyl Acetate	ND		ug/l	10	0.70
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/14 09:05
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG683343-3					
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: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 04/17/14 09:05

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG683343-3					
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: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/14 09:05
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG683343-3					
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	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

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: WG683230-1 WG683230-2								
Methylene chloride	90		95		70-130	5		20
1,1-Dichloroethane	98		104		70-130	6		20
Chloroform	93		99		70-130	6		20
2-Chloroethylvinyl ether	77		80		70-130	4		20
Carbon tetrachloride	87		93		63-132	7		20
1,2-Dichloropropane	96		100		70-130	4		20
Dibromochloromethane	88		93		63-130	6		20
1,1,2-Trichloroethane	100		106		70-130	6		20
Tetrachloroethene	97		104		70-130	7		20
Chlorobenzene	96		101		75-130	5		20
Trichlorofluoromethane	92		97		62-150	5		20
1,2-Dichloroethane	89		92		70-130	3		20
1,1,1-Trichloroethane	91		97		67-130	6		20
Bromodichloromethane	88		92		67-130	4		20
trans-1,3-Dichloropropene	97		102		70-130	5		20
cis-1,3-Dichloropropene	93		97		70-130	4		20
1,1-Dichloropropene	96		104		70-130	8		20
Bromoform	81		87		54-136	7		20
1,1,2,2-Tetrachloroethane	100		104		67-130	4		20
Benzene	98		103		70-130	5		20
Toluene	102		109		70-130	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

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: WG683230-1 WG683230-2								
Ethylbenzene	100		106		70-130	6		20
Chloromethane	67		71		64-130	6		20
Bromomethane	58		63		39-139	8		20
Vinyl chloride	76		81		55-140	6		20
Chloroethane	106		108		55-138	2		20
1,1-Dichloroethene	102		110		61-145	8		20
trans-1,2-Dichloroethene	90		99		70-130	10		20
Trichloroethene	94		100		70-130	6		20
1,2-Dichlorobenzene	97		102		70-130	5		20
1,3-Dichlorobenzene	99		102		70-130	3		20
1,4-Dichlorobenzene	98		102		70-130	4		20
Methyl tert butyl ether	92		95		63-130	3		20
p/m-Xylene	102		108		70-130	6		20
o-Xylene	100		106		70-130	6		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Dibromomethane	87		92		70-130	6		20
1,2,3-Trichloropropane	100		108		64-130	8		20
Acrylonitrile	94		100		70-130	6		20
Isopropyl Ether	96		101		70-130	5		20
tert-Butyl Alcohol	101		107		70-130	6		20
Styrene	98		104		70-130	6		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

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: WG683230-1 WG683230-2								
Dichlorodifluoromethane	51		55		36-147	8		20
Acetone	95		101		58-148	6		20
Carbon disulfide	98		106		51-130	8		20
2-Butanone	104		107		63-138	3		20
Vinyl acetate	92		94		70-130	2		20
4-Methyl-2-pentanone	74		78		59-130	5		20
2-Hexanone	76		79		57-130	4		20
Acrolein	85		87		40-160	2		20
Bromochloromethane	92		95		70-130	3		20
2,2-Dichloropropane	100		106		63-133	6		20
1,2-Dibromoethane	95		98		70-130	3		20
1,3-Dichloropropane	98		104		70-130	6		20
1,1,1,2-Tetrachloroethane	94		100		64-130	6		20
Bromobenzene	99		103		70-130	4		20
n-Butylbenzene	106		114		53-136	7		20
sec-Butylbenzene	108		116		70-130	7		20
tert-Butylbenzene	106		112		70-130	6		20
o-Chlorotoluene	106		111		70-130	5		20
p-Chlorotoluene	105		111		70-130	6		20
1,2-Dibromo-3-chloropropane	99		107		41-144	8		20
Hexachlorobutadiene	91		96		63-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

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: WG683230-1 WG683230-2								
Isopropylbenzene	105		112		70-130	6		20
p-Isopropyltoluene	102		109		70-130	7		20
Naphthalene	75		80		70-130	6		20
n-Propylbenzene	110		116		69-130	5		20
1,2,3-Trichlorobenzene	88		94		70-130	7		20
1,2,4-Trichlorobenzene	87		94		70-130	8		20
1,3,5-Trimethylbenzene	107		114		64-130	6		20
1,2,4-Trimethylbenzene	108		115		70-130	6		20
Methyl Acetate	82		89		70-130	8		20
Ethyl Acetate	88		91		70-130	3		20
Cyclohexane	98		107		70-130	9		20
Ethyl-Tert-Butyl-Ether	95		98		70-130	3		20
Tertiary-Amyl Methyl Ether	93		98		66-130	5		20
1,4-Dioxane	90		95		56-162	5		20
Freon-113	100		107		70-130	7		20
p-Diethylbenzene	99		105		70-130	6		20
p-Ethyltoluene	109		116		70-130	6		20
1,2,4,5-Tetramethylbenzene	90		98		70-130	9		20
Ethyl ether	105		107		59-134	2		20
trans-1,4-Dichloro-2-butene	93		98		70-130	5		20
Iodomethane	57	Q	62	Q	70-130	8		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

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: WG683230-1 WG683230-2								
Methyl cyclohexane	93		101		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		88		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	93		93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG683343-1 WG683343-2								
Methylene chloride	88		84		70-130	5		30
1,1-Dichloroethane	89		84		70-130	6		30
Chloroform	85		80		70-130	6		30
Carbon tetrachloride	87		77		70-130	12		30
1,2-Dichloropropane	85		82		70-130	4		30
Dibromochloromethane	86		84		70-130	2		30
1,1,2-Trichloroethane	87		84		70-130	4		30
Tetrachloroethene	88		79		70-130	11		30
Chlorobenzene	87		82		70-130	6		30
Trichlorofluoromethane	83		73		70-139	13		30
1,2-Dichloroethane	85		83		70-130	2		30
1,1,1-Trichloroethane	88		80		70-130	10		30
Bromodichloromethane	84		81		70-130	4		30
trans-1,3-Dichloropropene	91		88		70-130	3		30
cis-1,3-Dichloropropene	86		84		70-130	2		30
1,1-Dichloropropene	88		79		70-130	11		30
Bromoform	84		84		70-130	0		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	84		79		70-130	6		30
Toluene	86		80		70-130	7		30
Ethylbenzene	87		81		70-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG683343-1 WG683343-2								
Chloromethane	90		81		52-130	11		30
Bromomethane	90		82		57-147	9		30
Vinyl chloride	86		76		67-130	12		30
Chloroethane	79		73		50-151	8		30
1,1-Dichloroethene	88		81		65-135	8		30
trans-1,2-Dichloroethene	87		81		70-130	7		30
Trichloroethene	85		78		70-130	9		30
1,2-Dichlorobenzene	89		86		70-130	3		30
1,3-Dichlorobenzene	90		85		70-130	6		30
1,4-Dichlorobenzene	90		86		70-130	5		30
Methyl tert butyl ether	87		86		66-130	1		30
p/m-Xylene	86		80		70-130	7		30
o-Xylene	85		80		70-130	6		30
cis-1,2-Dichloroethene	86		81		70-130	6		30
Dibromomethane	83		82		70-130	1		30
Styrene	82		78		70-130	5		30
Dichlorodifluoromethane	81		71		30-146	13		30
Acetone	95		94		54-140	1		30
Carbon disulfide	85		76		59-130	11		30
2-Butanone	79		81		70-130	3		30
Vinyl acetate	86		85		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG683343-1 WG683343-2								
4-Methyl-2-pentanone	77		77		70-130	0		30
1,2,3-Trichloropropane	86		89		68-130	3		30
2-Hexanone	77		81		70-130	5		30
Bromochloromethane	84		83		70-130	1		30
2,2-Dichloropropane	93		85		70-130	9		30
1,2-Dibromoethane	87		86		70-130	1		30
1,3-Dichloropropane	87		85		69-130	2		30
1,1,1,2-Tetrachloroethane	86		82		70-130	5		30
Bromobenzene	89		84		70-130	6		30
n-Butylbenzene	92		85		70-130	8		30
sec-Butylbenzene	91		82		70-130	10		30
tert-Butylbenzene	91		84		70-130	8		30
o-Chlorotoluene	96		88		70-130	9		30
p-Chlorotoluene	92		87		70-130	6		30
1,2-Dibromo-3-chloropropane	83		86		68-130	4		30
Hexachlorobutadiene	90		84		67-130	7		30
Isopropylbenzene	89		82		70-130	8		30
p-Isopropyltoluene	91		84		70-130	8		30
Naphthalene	86		88		70-130	2		30
Acrylonitrile	85		88		70-130	3		30
Isopropyl Ether	90		86		66-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG683343-1 WG683343-2								
tert-Butyl Alcohol	84		87		70-130	4		30
n-Propylbenzene	90		83		70-130	8		30
1,2,3-Trichlorobenzene	88		87		70-130	1		30
1,2,4-Trichlorobenzene	92		90		70-130	2		30
1,3,5-Trimethylbenzene	91		85		70-130	7		30
1,2,4-Trimethylbenzene	92		86		70-130	7		30
Methyl Acetate	87		88		51-146	1		30
Ethyl Acetate	85		85		70-130	0		30
Acrolein	83		86		70-130	4		30
Cyclohexane	92		81		59-142	13		30
1,4-Dioxane	83		89		65-136	7		30
Freon-113	94		83		50-139	12		30
p-Diethylbenzene	91		84		70-130	8		30
p-Ethyltoluene	91		84		70-130	8		30
1,2,4,5-Tetramethylbenzene	91		87		70-130	4		30
Tetrahydrofuran	83		84		66-130	1		30
Ethyl ether	77		74		67-130	4		30
trans-1,4-Dichloro-2-butene	89		91		70-130	2		30
Methyl cyclohexane	92		81		70-130	13		30
Ethyl-Tert-Butyl-Ether	88		86		70-130	2		30
Tertiary-Amyl Methyl Ether	86		86		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG683343-1 WG683343-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01
Client ID: G2-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/19/14 03:08
Analyst: RC
Percent Solids: 81%

Date Collected: 04/14/14 10:50
Date Received: 04/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/16/14 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	40.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01

Date Collected: 04/14/14 10:50

Client ID: G2-SW (8')

Date Received: 04/14/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01

Date Collected: 04/14/14 10:50

Client ID: G2-SW (8')

Date Received: 04/14/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	65		0-136
4-Terphenyl-d14	78		18-120

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 04/18/14 22:01
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/16/14 02:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG682584-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 04/18/14 22:01
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/16/14 02:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG682584-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 04/18/14 22:01
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/16/14 02:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG682584-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	74		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG682584-2 WG682584-3								
Acenaphthene	76		77		31-137	1		50
1,2,4-Trichlorobenzene	60		59		38-107	2		50
Hexachlorobenzene	84		85		40-140	1		50
Bis(2-chloroethyl)ether	64		64		40-140	0		50
2-Chloronaphthalene	70		71		40-140	1		50
1,2-Dichlorobenzene	61		61		40-140	0		50
1,3-Dichlorobenzene	60		60		40-140	0		50
1,4-Dichlorobenzene	60		60		28-104	0		50
3,3'-Dichlorobenzidine	58		59		40-140	2		50
2,4-Dinitrotoluene	92	Q	92	Q	28-89	0		50
2,6-Dinitrotoluene	85		88		40-140	3		50
Fluoranthene	88		90		40-140	2		50
4-Chlorophenyl phenyl ether	80		82		40-140	2		50
4-Bromophenyl phenyl ether	80		82		40-140	2		50
Bis(2-chloroisopropyl)ether	69		68		40-140	1		50
Bis(2-chloroethoxy)methane	67		66		40-117	2		50
Hexachlorobutadiene	58		58		40-140	0		50
Hexachlorocyclopentadiene	74		75		40-140	1		50
Hexachloroethane	61		60		40-140	2		50
Isophorone	70		69		40-140	1		50
Naphthalene	66		65		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG682584-2 WG682584-3								
Nitrobenzene	64		65		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	91		92			1		50
n-Nitrosodi-n-propylamine	67		66		32-121	2		50
Bis(2-Ethylhexyl)phthalate	95		96		40-140	1		50
Butyl benzyl phthalate	90		91		40-140	1		50
Di-n-butylphthalate	92		92		40-140	0		50
Di-n-octylphthalate	99		100		40-140	1		50
Diethyl phthalate	90		91		40-140	1		50
Dimethyl phthalate	86		88		40-140	2		50
Benzo(a)anthracene	90		92		40-140	2		50
Benzo(a)pyrene	88		89		40-140	1		50
Benzo(b)fluoranthene	87		75		40-140	15		50
Benzo(k)fluoranthene	85		100		40-140	16		50
Chrysene	87		89		40-140	2		50
Acenaphthylene	81		81		40-140	0		50
Anthracene	95		96		40-140	1		50
Benzo(ghi)perylene	82		82		40-140	0		50
Fluorene	85		86		40-140	1		50
Phenanthrene	90		91		40-140	1		50
Dibenzo(a,h)anthracene	83		84		40-140	1		50
Indeno(1,2,3-cd)Pyrene	76		90		40-140	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG682584-2 WG682584-3								
Pyrene	89		89		35-142	0		50
Biphenyl	73		72			1		50
4-Chloroaniline	69		69		40-140	0		50
2-Nitroaniline	85		86		47-134	1		50
3-Nitroaniline	48		49		26-129	2		50
4-Nitroaniline	78		80		41-125	3		50
Dibenzofuran	81		80		40-140	1		50
2-Methylnaphthalene	72		71		40-140	1		50
1,2,4,5-Tetrachlorobenzene	64		64		40-117	0		50
Acetophenone	69		69		14-144	0		50
2,4,6-Trichlorophenol	79		78		30-130	1		50
P-Chloro-M-Cresol	86		87		26-103	1		50
2-Chlorophenol	68		67		25-102	1		50
2,4-Dichlorophenol	72		71		30-130	1		50
2,4-Dimethylphenol	79		77		30-130	3		50
2-Nitrophenol	68		68		30-130	0		50
4-Nitrophenol	100		105		11-114	5		50
2,4-Dinitrophenol	82		90		4-130	9		50
4,6-Dinitro-o-cresol	91		93		10-130	2		50
Pentachlorophenol	86		85		17-109	1		50
Phenol	71		71		26-90	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG682584-2 WG682584-3								
2-Methylphenol	71		70		30-130.	1		50
3-Methylphenol/4-Methylphenol	76		75		30-130	1		50
2,4,5-Trichlorophenol	86		88		30-130	2		50
Benzoic Acid	34		40			16		50
Benzyl Alcohol	76		75		40-140	1		50
Carbazole	89		89		54-128	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		60		25-120
Phenol-d6	68		66		10-120
Nitrobenzene-d5	66		65		23-120
2-Fluorobiphenyl	69		68		30-120
2,4,6-Tribromophenol	85		85		0-136
4-Terphenyl-d14	83		84		18-120

PCBS

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01
Client ID: G2-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/17/14 11:17
Analyst: JW
Percent Solids: 81%

Date Collected: 04/14/14 10:50
Date Received: 04/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/15/14 15:48
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/17/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/17/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	3.09	1	A
Aroclor 1221	ND		ug/kg	39.1	3.61	1	A
Aroclor 1232	ND		ug/kg	39.1	4.58	1	A
Aroclor 1242	ND		ug/kg	39.1	4.79	1	A
Aroclor 1248	ND		ug/kg	39.1	3.30	1	A
Aroclor 1254	ND		ug/kg	39.1	3.22	1	A
Aroclor 1260	ND		ug/kg	39.1	2.98	1	A
Aroclor 1262	ND		ug/kg	39.1	1.94	1	A
Aroclor 1268	ND		ug/kg	39.1	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8082A
Analytical Date: 04/17/14 12:36
Analyst: JWExtraction Method: EPA 3546
Extraction Date: 04/15/14 15:48
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/17/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/17/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG683070-1						
Aroclor 1016	ND		ug/kg	32.0	2.53	A
Aroclor 1221	ND		ug/kg	32.0	2.96	A
Aroclor 1232	ND		ug/kg	32.0	3.76	A
Aroclor 1242	ND		ug/kg	32.0	3.92	A
Aroclor 1248	ND		ug/kg	32.0	2.70	A
Aroclor 1254	ND		ug/kg	32.0	2.63	A
Aroclor 1260	ND		ug/kg	32.0	2.44	A
Aroclor 1262	ND		ug/kg	32.0	1.59	A
Aroclor 1268	ND		ug/kg	32.0	4.65	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	45		30-150	A
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG683070-2 WG683070-3									
Aroclor 1016	73		76		40-140	4		50	A
Aroclor 1260	53		56		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		92		30-150	A
Decachlorobiphenyl	57		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		92		30-150	B
Decachlorobiphenyl	67		67		30-150	B

PESTICIDES

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**SAMPLE RESULTS**

Lab ID: L1407766-01
Client ID: G2-SW (8')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/18/14 06:00
Analyst: SS
Percent Solids: 81%

Date Collected: 04/14/14 10:50
Date Received: 04/14/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/16/14 17:55
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/17/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.788	0.352	1	A
Alpha-BHC	ND		ug/kg	0.788	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.717	1	A
Heptachlor	ND		ug/kg	0.945	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.788	0.323	1	A
Dieldrin	ND		ug/kg	1.18	0.591	1	A
4,4'-DDE	ND		ug/kg	1.89	0.437	1	A
4,4'-DDD	ND		ug/kg	1.89	0.674	1	A
4,4'-DDT	ND		ug/kg	3.54	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.788	0.375	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
cis-Chlordane	ND		ug/kg	2.36	0.658	1	A
trans-Chlordane	ND		ug/kg	2.36	0.624	1	A
Chlordane	ND		ug/kg	15.4	6.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 04/17/14 23:41
 Analyst: SS

Extraction Method: EPA 3546
 Extraction Date: 04/16/14 17:55
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/17/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG682808-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.655	0.293	A
Alpha-BHC	ND		ug/kg	0.655	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.786	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.95	0.884	A
Endrin	ND		ug/kg	0.655	0.268	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.95	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.655	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.917	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.519	A
Chlordane	ND		ug/kg	12.8	5.21	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	133		30-150	A
Decachlorobiphenyl	93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG682808-2 WG682808-3									
Delta-BHC	93		78		30-150	18		30	A
Lindane	107		88		30-150	19		30	A
Alpha-BHC	99		81		30-150	20		30	A
Beta-BHC	94		77		30-150	20		30	A
Heptachlor	100		83		30-150	19		30	A
Aldrin	116		95		30-150	20		30	A
Heptachlor epoxide	109		92		30-150	17		30	A
Endrin	116		100		30-150	15		30	A
Endrin ketone	99		85		30-150	15		30	A
Dieldrin	115		98		30-150	16		30	A
4,4'-DDE	124		102		30-150	19		30	A
4,4'-DDD	107		91		30-150	16		30	A
4,4'-DDT	115		99		30-150	15		30	A
Endosulfan I	122		101		30-150	19		30	A
Endosulfan II	109		92		30-150	17		30	A
Endosulfan sulfate	104		90		30-150	14		30	A
Methoxychlor	98		82		30-150	18		30	A
cis-Chlordane	119		98		30-150	19		30	A
trans-Chlordane	112		95		30-150	16		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG682808-2 WG682808-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		86		30-150	A
Decachlorobiphenyl	147		122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		71		30-150	B
Decachlorobiphenyl	106		86		30-150	B

METALS

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407766-01

Date Collected: 04/14/14 10:50

Client ID: G2-SW (8')

Date Received: 04/14/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5300		mg/kg	9.3	1.9	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.6	0.74	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Arsenic, Total	6.0		mg/kg	0.93	0.19	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Barium, Total	47		mg/kg	0.93	0.28	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Beryllium, Total	0.32	J	mg/kg	0.46	0.09	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.93	0.07	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Calcium, Total	2200		mg/kg	9.3	2.8	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Chromium, Total	17		mg/kg	0.93	0.19	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Cobalt, Total	6.0		mg/kg	1.9	0.46	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Copper, Total	13		mg/kg	0.93	0.19	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Iron, Total	13000		mg/kg	4.6	1.9	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Lead, Total	4.1	J	mg/kg	4.6	0.19	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Magnesium, Total	2400		mg/kg	9.3	0.93	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Manganese, Total	340		mg/kg	0.93	0.19	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.09	0.02	1	04/18/14 08:26	04/21/14 11:17	EPA 7471B	1,7471B	MC
Nickel, Total	27		mg/kg	2.3	0.37	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Potassium, Total	1200		mg/kg	230	37.	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.9	0.28	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.93	0.19	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Sodium, Total	200		mg/kg	190	28.	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.9	0.37	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Vanadium, Total	16		mg/kg	0.93	0.09	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC
Zinc, Total	21		mg/kg	4.6	0.65	2	04/17/14 16:22	04/18/14 15:04	EPA 3050B	1,6010C	BC



Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG683089-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/18/14 08:26	04/21/14 10:50	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG683103-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Antimony, Total	ND		mg/kg	2.0	0.32	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Arsenic, Total	ND		mg/kg	0.40	0.08	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Barium, Total	ND		mg/kg	0.40	0.12	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Beryllium, Total	ND		mg/kg	0.20	0.04	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.40	0.03	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Calcium, Total	ND		mg/kg	4.0	1.2	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Cobalt, Total	ND		mg/kg	0.80	0.20	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Copper, Total	ND		mg/kg	0.40	0.08	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Iron, Total	1.3	J	mg/kg	2.0	0.80	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Lead, Total	ND		mg/kg	2.0	0.08	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Magnesium, Total	ND		mg/kg	4.0	0.40	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Manganese, Total	ND		mg/kg	0.40	0.08	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Potassium, Total	ND		mg/kg	100	16.	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Silver, Total	ND		mg/kg	0.40	0.08	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Sodium, Total	ND		mg/kg	80	12.	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Thallium, Total	ND		mg/kg	0.80	0.16	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Vanadium, Total	ND		mg/kg	0.40	0.04	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC
Zinc, Total	ND		mg/kg	2.0	0.28	1	04/17/14 16:22	04/18/14 13:28	1,6010C	BC

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG683089-2 SRM Lot Number: 0518-10-02								
Mercury, Total	130		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG683103-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	92	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	92	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	105	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	97	-	66-134	-	
Sodium, Total	100	-	74-127	-	
Thallium, Total	106	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG683103-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Lab Number: L1407766

Project Number: E040

Report Date: 04/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG683089-4 QC Sample: L1407631-19 Client ID: MS Sample												
Mercury, Total	0.29	0.161	0.64	217	Q	-	-		80-120	-		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG683103-3 WG683103-4 QC Sample: L1407809-05 Client ID: MS Sample												
Aluminum, Total	3900	181	4900	551	Q	3100	0	Q	75-125	45	Q	20
Antimony, Total	ND	45.3	41	90		40	91		75-125	2		20
Arsenic, Total	23.	10.9	27	37	Q	29	57	Q	75-125	7		20
Barium, Total	35.	181	210	96		190	88		75-125	10		20
Beryllium, Total	0.19J	4.53	4.4	97		4.2	95		75-125	5		20
Cadmium, Total	ND	4.62	4.2	91		4.0	89		75-125	5		20
Calcium, Total	1300	907	2200	99		1700	45	Q	75-125	26	Q	20
Chromium, Total	16.	18.1	40	132	Q	24	45	Q	75-125	50	Q	20
Cobalt, Total	8.0	45.3	49	90		46	86		75-125	6		20
Copper, Total	26.	22.7	43	75		38	54	Q	75-125	12		20
Iron, Total	17000	90.7	15000	0	Q	15000	0	Q	75-125	0		20
Lead, Total	5.1	46.2	46	88		44	87		75-125	4		20
Magnesium, Total	2400	907	4000	176	Q	2200	0	Q	75-125	58	Q	20
Manganese, Total	390	45.3	490	220	Q	330	0	Q	75-125	39	Q	20
Nickel, Total	8.0	45.3	49	90		44	82		75-125	11		20
Potassium, Total	790	907	1800	111		1600	92		75-125	12		20
Selenium, Total	ND	10.9	9.7	89		9.3	88		75-125	4		20
Silver, Total	ND	27.2	25	92		24	91		75-125	4		20
Sodium, Total	140J	907	1000	110		970	110		75-125	3		20
Thallium, Total	ND	10.9	9.0	83		8.9	84		75-125	1		20
Vanadium, Total	26.	45.3	67	90		60	77		75-125	11		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG683103-3 WG683103-4 QC Sample: L1407809-05 Client ID: MS Sample									
Zinc, Total	27.	45.3	62	77	60	75	75-125	3	20

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1407766
Report Date: 04/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG683089-3 QC Sample: L1407631-19 Client ID: DUP Sample						
Mercury, Total	0.29	0.12	mg/kg	83	Q	35

INORGANICS & MISCELLANEOUS

Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1407766**Report Date:** 04/21/14**SAMPLE RESULTS****Lab ID:** L1407766-01**Client ID:** G2-SW (8')**Sample Location:** 520 W. 28TH ST., NYC**Matrix:** Soil**Date Collected:** 04/14/14 10:50**Date Received:** 04/14/14**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	80.5		%	0.100	NA	1	-	04/15/14 19:13	30,2540G	RT



Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1407766
Report Date: 04/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG682524-1 QC Sample: L1407718-03 Client ID: DUP Sample						
Solids, Total	97.1	96.5	%	1		20

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407766

Report Date: 04/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 04/15/2014 02:28

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1407766-01A	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1407766-01B	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1407766-01C	5 gram Encore Sampler	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1407766-01D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1407766-01E	Amber 250ml unpreserved	A	N/A	2.9	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1407766-01X	Vial MeOH preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1407766-01Y	Vial Water preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1407766-01Z	Vial Water preserved split	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1407766-02A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1407766-02B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14

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: 520 W. 28TH ST.**Lab Number:** L1407766**Project Number:** E040**Report Date:** 04/21/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407766
Report Date: 04/21/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1407159
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W. 28TH ST.
Project Number:	E040
Report Date:	04/14/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407159
Report Date: 04/14/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1407159-01	D2-SW (3.5')	520 W. 28TH ST. NYC	04/07/14 08:30
L1407159-02	F2-SW (4.5')	520 W. 28TH ST. NYC	04/07/14 08:15
L1407159-03	TRIP BLANK	520 W. 28TH ST. NYC	04/07/14 00:00

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407159
Report Date: 04/14/14

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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407159
Report Date: 04/14/14

Case Narrative (continued)

Report Submission

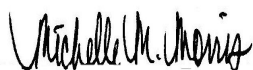
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L1407159-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 04/14/14

ORGANICS

VOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01
Client ID: D2-SW (3.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/08/14 20:10
Analyst: BN
Percent Solids: 85%

Date Collected: 04/07/14 08:30
Date Received: 04/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.43	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.64	1
Bromoform	ND		ug/kg	5.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.0	1.1	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	1.1	J	ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.34	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01

Date Collected: 04/07/14 08:30

Client ID: D2-SW (3.5')

Date Received: 04/07/14

Sample Location: 520 W. 28TH ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.14	1
p/m-Xylene	ND		ug/kg	2.8	0.45	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.43	1
Dichlorodifluoromethane	ND		ug/kg	14	0.30	1
Acetone	ND		ug/kg	14	4.3	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.67	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.31	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	7.0	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.0	0.78	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.59	1
Isopropylbenzene	ND		ug/kg	1.4	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.27	1
Naphthalene	ND		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.80	1
1,4-Dioxane	ND		ug/kg	140	24.	1
1,4-Diethylbenzene	ND		ug/kg	5.6	0.22	1
4-Ethyltoluene	ND		ug/kg	5.6	0.16	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01

Date Collected: 04/07/14 08:30

Client ID: D2-SW (3.5')

Date Received: 04/07/14

Sample Location: 520 W. 28TH ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02
Client ID: F2-SW (4.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/08/14 20:38
Analyst: BN
Percent Solids: 89%

Date Collected: 04/07/14 08:15
Date Received: 04/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	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	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02
 Client ID: F2-SW (4.5')
 Sample Location: 520 W. 28TH ST. NYC

Date Collected: 04/07/14 08:15
 Date Received: 04/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	ND		ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	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	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	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	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
1,4-Dioxane	ND		ug/kg	110	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.12	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02

Date Collected: 04/07/14 08:15

Client ID: F2-SW (4.5')

Date Received: 04/07/14

Sample Location: 520 W. 28TH ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-03
Client ID: TRIP BLANK
Sample Location: 520 W. 28TH ST. NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/11/14 11:39
Analyst: MM

Date Collected: 04/07/14 00:00
Date Received: 04/07/14
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: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-03
 Client ID: TRIP BLANK
 Sample Location: 520 W. 28TH ST. NYC

Date Collected: 04/07/14 00:00
 Date Received: 04/07/14
 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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-03

Date Collected: 04/07/14 00:00

Client ID: TRIP BLANK

Date Received: 04/07/14

Sample Location: 520 W. 28TH ST. NYC

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	121		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	128		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/08/14 11:18
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG680983-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/08/14 11:18
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG680983-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 04/08/14 11:18

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG680983-3					
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8260C**Analytical Date:** 04/08/14 11:18**Analyst:** BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG680983-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/11/14 06:44
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG681636-3					
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: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/11/14 06:44
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG681636-3					
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: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/11/14 06:44
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG681636-3					
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
Ethyl Acetate	ND		ug/l	10	0.70
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	120		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	126		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG680983-1 WG680983-2								
Methylene chloride	107		103		70-130	4		30
1,1-Dichloroethane	113		110		70-130	3		30
Chloroform	109		107		70-130	2		30
Carbon tetrachloride	114		110		70-130	4		30
1,2-Dichloropropane	112		110		70-130	2		30
Dibromochloromethane	89		90		70-130	1		30
2-Chloroethylvinyl ether	101		104		70-130	3		30
1,1,2-Trichloroethane	95		96		70-130	1		30
Tetrachloroethene	97		96		70-130	1		30
Chlorobenzene	96		96		70-130	0		30
Trichlorofluoromethane	100		96		70-139	4		30
1,2-Dichloroethane	106		107		70-130	1		30
1,1,1-Trichloroethane	112		109		70-130	3		30
Bromodichloromethane	107		106		70-130	1		30
trans-1,3-Dichloropropene	96		96		70-130	0		30
cis-1,3-Dichloropropene	108		108		70-130	0		30
1,1-Dichloropropene	114		111		70-130	3		30
Bromoform	81		84		70-130	4		30
1,1,2,2-Tetrachloroethane	87		90		70-130	3		30
Benzene	111		108		70-130	3		30
Toluene	96		96		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG680983-1 WG680983-2								
Ethylbenzene	99		98		70-130	1		30
Chloromethane	92		83		52-130	10		30
Bromomethane	108		97		57-147	11		30
Vinyl chloride	111		104		67-130	7		30
Chloroethane	102		98		50-151	4		30
1,1-Dichloroethene	109		104		65-135	5		30
trans-1,2-Dichloroethene	109		106		70-130	3		30
Trichloroethene	111		108		70-130	3		30
1,2-Dichlorobenzene	89		90		70-130	1		30
1,3-Dichlorobenzene	91		91		70-130	0		30
1,4-Dichlorobenzene	91		91		70-130	0		30
Methyl tert butyl ether	103		104		66-130	1		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	97		97		70-130	0		30
cis-1,2-Dichloroethene	109		106		70-130	3		30
Dibromomethane	101		103		70-130	2		30
Styrene	95		95		70-130	0		30
Dichlorodifluoromethane	71		65		30-146	9		30
Acetone	108		105		54-140	3		30
Carbon disulfide	97		94		59-130	3		30
2-Butanone	100		101		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG680983-1 WG680983-2								
Vinyl acetate	103		104		70-130	1		30
4-Methyl-2-pentanone	102		106		70-130	4		30
1,2,3-Trichloropropane	89		89		68-130	0		30
2-Hexanone	86		88		70-130	2		30
Bromochloromethane	106		106		70-130	0		30
2,2-Dichloropropane	114		112		70-130	2		30
1,2-Dibromoethane	92		93		70-130	1		30
1,3-Dichloropropane	96		97		69-130	1		30
1,1,1,2-Tetrachloroethane	92		94		70-130	2		30
Bromobenzene	89		88		70-130	1		30
n-Butylbenzene	97		96		70-130	1		30
sec-Butylbenzene	96		94		70-130	2		30
tert-Butylbenzene	94		92		70-130	2		30
o-Chlorotoluene	93		91		70-130	2		30
p-Chlorotoluene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	81		84		68-130	4		30
Hexachlorobutadiene	93		92		67-130	1		30
Isopropylbenzene	94		92		70-130	2		30
p-Isopropyltoluene	94		92		70-130	2		30
Naphthalene	86		87		70-130	1		30
Acrylonitrile	108		109		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG680983-1 WG680983-2								
Isopropyl Ether	114		113		66-130	1		30
tert-Butyl Alcohol	100		105		70-130	5		30
n-Propylbenzene	95		94		70-130	1		30
1,2,3-Trichlorobenzene	88		89		70-130	1		30
1,2,4-Trichlorobenzene	90		90		70-130	0		30
1,3,5-Trimethylbenzene	94		94		70-130	0		30
1,2,4-Trimethylbenzene	93		93		70-130	0		30
Methyl Acetate	107		109		51-146	2		30
Ethyl Acetate	107		109		70-130	2		30
Acrolein	100		102		70-130	2		30
Cyclohexane	120		115		59-142	4		30
1,4-Dioxane	117		124		65-136	6		30
Freon-113	113		109		50-139	4		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	94		93		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		91		70-130	2		30
Tetrahydrofuran	102		106		66-130	4		30
Ethyl ether	104		103		67-130	1		30
trans-1,4-Dichloro-2-butene	89		90		70-130	1		30
Methyl cyclohexane	116		114		70-130	2		30
Ethyl-Tert-Butyl-Ether	110		110		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG680983-1 WG680983-2								
Tertiary-Amyl Methyl Ether	104		105		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	94		95		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG681636-1 WG681636-2								
Methylene chloride	106		104		70-130	2		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	103		103		70-130	0		20
2-Chloroethylvinyl ether	101		88		70-130	14		20
Carbon tetrachloride	109		106		63-132	3		20
1,2-Dichloropropane	95		87		70-130	9		20
Dibromochloromethane	89		86		63-130	3		20
1,1,2-Trichloroethane	83		76		70-130	9		20
Tetrachloroethene	84		84		70-130	0		20
Chlorobenzene	87		86		75-130	1		20
Trichlorofluoromethane	112		112		62-150	0		20
1,2-Dichloroethane	115		109		70-130	5		20
1,1,1-Trichloroethane	114		112		67-130	2		20
Bromodichloromethane	104		100		67-130	4		20
trans-1,3-Dichloropropene	86		82		70-130	5		20
cis-1,3-Dichloropropene	99		92		70-130	7		20
1,1-Dichloropropene	102		97		70-130	5		20
Bromoform	82		82		54-136	0		20
1,1,2,2-Tetrachloroethane	88		81		67-130	8		20
Benzene	93		90		70-130	3		20
Toluene	81		80		70-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG681636-1 WG681636-2								
Ethylbenzene	85		85		70-130	0		20
Chloromethane	102		100		64-130	2		20
Bromomethane	130		110		39-139	17		20
Vinyl chloride	93		92		55-140	1		20
Chloroethane	126		125		55-138	1		20
1,1-Dichloroethene	102		99		61-145	3		20
trans-1,2-Dichloroethene	100		96		70-130	4		20
Trichloroethene	96		96		70-130	0		20
1,2-Dichlorobenzene	83		80		70-130	4		20
1,3-Dichlorobenzene	87		86		70-130	1		20
1,4-Dichlorobenzene	85		84		70-130	1		20
Methyl tert butyl ether	110		98		63-130	12		20
p/m-Xylene	89		84		70-130	6		20
o-Xylene	85		85		70-130	0		20
cis-1,2-Dichloroethene	95		95		70-130	0		20
Dibromomethane	108		102		70-130	6		20
1,2,3-Trichloropropane	97		88		64-130	10		20
Acrylonitrile	124		107		70-130	15		20
Isopropyl Ether	96		93		70-130	3		20
tert-Butyl Alcohol	126		116		70-130	8		20
Styrene	84		92		70-130	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG681636-1 WG681636-2								
Dichlorodifluoromethane	106		103		36-147	3		20
Acetone	141		120		58-148	16		20
Carbon disulfide	94		95		51-130	1		20
2-Butanone	125		100		63-138	22	Q	20
Vinyl acetate	103		96		70-130	7		20
4-Methyl-2-pentanone	112		98		59-130	13		20
2-Hexanone	101		92		57-130	9		20
Acrolein	111		105		40-160	6		20
Bromochloromethane	110		101		70-130	9		20
2,2-Dichloropropane	107		106		63-133	1		20
1,2-Dibromoethane	86		82		70-130	5		20
1,3-Dichloropropane	92		85		70-130	8		20
1,1,1,2-Tetrachloroethane	81		78		64-130	4		20
Bromobenzene	88		86		70-130	2		20
n-Butylbenzene	83		80		53-136	4		20
sec-Butylbenzene	86		82		70-130	5		20
tert-Butylbenzene	84		85		70-130	1		20
o-Chlorotoluene	87		84		70-130	4		20
p-Chlorotoluene	87		84		70-130	4		20
1,2-Dibromo-3-chloropropane	105		103		41-144	2		20
Hexachlorobutadiene	94		93		63-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG681636-1 WG681636-2								
Isopropylbenzene	84		84		70-130	0		20
p-Isopropyltoluene	87		83		70-130	5		20
Naphthalene	89		84		70-130	6		20
n-Propylbenzene	85		82		69-130	4		20
1,2,3-Trichlorobenzene	88		86		70-130	2		20
1,2,4-Trichlorobenzene	92		86		70-130	7		20
1,3,5-Trimethylbenzene	88		84		64-130	5		20
1,2,4-Trimethylbenzene	86		85		70-130	1		20
Methyl Acetate	119		103		70-130	14		20
Ethyl Acetate	113		96		70-130	16		20
Cyclohexane	100		99		70-130	1		20
Ethyl-Tert-Butyl-Ether	102		94		70-130	8		20
Tertiary-Amyl Methyl Ether	101		94		66-130	7		20
1,4-Dioxane	101		107		56-162	6		20
Freon-113	111		105		70-130	6		20
p-Diethylbenzene	86		80		70-130	7		20
p-Ethyltoluene	86		84		70-130	2		20
1,2,4,5-Tetramethylbenzene	83		83		70-130	0		20
Ethyl ether	108		100		59-134	8		20
trans-1,4-Dichloro-2-butene	84		81		70-130	4		20
Iodomethane	119		123		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG681636-1 WG681636-2								
Methyl cyclohexane	98		93		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		107		70-130
Toluene-d8	89		91		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	113		112		70-130

SEMIVOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01 D2
 Client ID: D2-SW (3.5')
 Sample Location: 520 W. 28TH ST. NYC
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 04/14/14 12:52
 Analyst: PS
 Percent Solids: 85%

Date Collected: 04/07/14 08:30
 Date Received: 04/07/14
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/09/14 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	85000		ug/kg	2300	710	20
Phenanthrene	88000		ug/kg	2300	760	20

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01 D
Client ID: D2-SW (3.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/10/14 23:43
Analyst: PS
Percent Solids: 85%

Date Collected: 04/07/14 08:30
Date Received: 04/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/09/14 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1500	400	10
1,2,4-Trichlorobenzene	ND		ug/kg	1900	630	10
Hexachlorobenzene	ND		ug/kg	1200	360	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	540	10
2-Chloronaphthalene	ND		ug/kg	1900	630	10
1,2-Dichlorobenzene	ND		ug/kg	1900	630	10
1,3-Dichlorobenzene	ND		ug/kg	1900	610	10
1,4-Dichlorobenzene	ND		ug/kg	1900	590	10
3,3'-Dichlorobenzidine	ND		ug/kg	1900	510	10
2,4-Dinitrotoluene	ND		ug/kg	1900	420	10
2,6-Dinitrotoluene	ND		ug/kg	1900	490	10
Fluoranthene	78000	E	ug/kg	1200	350	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	590	10
4-Bromophenyl phenyl ether	ND		ug/kg	1900	440	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2300	680	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2100	580	10
Hexachlorobutadiene	ND		ug/kg	1900	540	10
Hexachlorocyclopentadiene	ND		ug/kg	5500	1200	10
Hexachloroethane	ND		ug/kg	1500	350	10
Isophorone	ND		ug/kg	1700	510	10
Naphthalene	1200	J	ug/kg	1900	640	10
Nitrobenzene	ND		ug/kg	1700	460	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1500	400	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	580	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1900	510	10
Butyl benzyl phthalate	ND		ug/kg	1900	380	10
Di-n-butylphthalate	ND		ug/kg	1900	370	10
Di-n-octylphthalate	ND		ug/kg	1900	480	10
Diethyl phthalate	ND		ug/kg	1900	410	10
Dimethyl phthalate	ND		ug/kg	1900	490	10
Benzo(a)anthracene	40000		ug/kg	1200	380	10

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01 D

Date Collected: 04/07/14 08:30

Client ID: D2-SW (3.5')

Date Received: 04/07/14

Sample Location: 520 W. 28TH ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	34000		ug/kg	1500	470	10
Benzo(b)fluoranthene	48000		ug/kg	1200	390	10
Benzo(k)fluoranthene	16000		ug/kg	1200	370	10
Chrysene	39000		ug/kg	1200	380	10
Acenaphthylene	21000		ug/kg	1500	360	10
Anthracene	22000		ug/kg	1200	320	10
Benzo(ghi)perylene	16000		ug/kg	1500	400	10
Fluorene	8300		ug/kg	1900	550	10
Phenanthrene	78000	E	ug/kg	1200	380	10
Dibenzo(a,h)anthracene	5800		ug/kg	1200	370	10
Indeno(1,2,3-cd)Pyrene	16000		ug/kg	1500	430	10
Pyrene	69000		ug/kg	1200	380	10
Biphenyl	920	J	ug/kg	4400	640	10
4-Chloroaniline	ND		ug/kg	1900	510	10
2-Nitroaniline	ND		ug/kg	1900	540	10
3-Nitroaniline	ND		ug/kg	1900	530	10
4-Nitroaniline	ND		ug/kg	1900	520	10
Dibenzofuran	7000		ug/kg	1900	640	10
2-Methylnaphthalene	1300	J	ug/kg	2300	620	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	600	10
Acetophenone	ND		ug/kg	1900	600	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	360	10
P-Chloro-M-Cresol	ND		ug/kg	1900	560	10
2-Chlorophenol	ND		ug/kg	1900	580	10
2,4-Dichlorophenol	ND		ug/kg	1700	620	10
2,4-Dimethylphenol	ND		ug/kg	1900	580	10
2-Nitrophenol	ND		ug/kg	4200	600	10
4-Nitrophenol	ND		ug/kg	2700	620	10
2,4-Dinitrophenol	ND		ug/kg	9300	2600	10
4,6-Dinitro-o-cresol	ND		ug/kg	5000	710	10
Pentachlorophenol	ND		ug/kg	1500	410	10
Phenol	830	J	ug/kg	1900	570	10
2-Methylphenol	ND		ug/kg	1900	620	10
3-Methylphenol/4-Methylphenol	1900	J	ug/kg	2800	630	10
2,4,5-Trichlorophenol	ND		ug/kg	1900	620	10
Benzoic Acid	ND		ug/kg	6200	2000	10
Benzyl Alcohol	ND		ug/kg	1900	590	10
Carbazole	7800		ug/kg	1900	420	10

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01 D

Date Collected: 04/07/14 08:30

Client ID: D2-SW (3.5')

Date Received: 04/07/14

Sample Location: 520 W. 28TH ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	127		0-136
4-Terphenyl-d14	87		18-120

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02
Client ID: F2-SW (4.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/11/14 00:11
Analyst: PS
Percent Solids: 89%

Date Collected: 04/07/14 08:15
Date Received: 04/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/09/14 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	140		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	ND		ug/kg	160	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	60	J	ug/kg	110	36.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02
 Client ID: F2-SW (4.5')
 Sample Location: 520 W. 28TH ST. NYC

Date Collected: 04/07/14 08:15
 Date Received: 04/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	63	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	75	J	ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	56	J	ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	100	J	ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	130		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02

Date Collected: 04/07/14 08:15

Client ID: F2-SW (4.5')

Date Received: 04/07/14

Sample Location: 520 W. 28TH ST. NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	105		0-136
4-Terphenyl-d14	75		18-120

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 04/10/14 17:48
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 04/09/14 00:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG680944-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 04/10/14 17:48
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 04/09/14 00:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG680944-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	56.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.
Acetophenone	ND		ug/kg	170	52.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 04/10/14 17:48
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 04/09/14 00:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG680944-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	54.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.
1-Methylnaphthalene	ND		ug/kg	170	50.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	92		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG680944-2 WG680944-3								
Acenaphthene	79		82		31-137	4		50
1,2,4-Trichlorobenzene	65		68		38-107	5		50
Hexachlorobenzene	84		87		40-140	4		50
Bis(2-chloroethyl)ether	70		70		40-140	0		50
2-Chloronaphthalene	81		82		40-140	1		50
1,2-Dichlorobenzene	67		67		40-140	0		50
1,3-Dichlorobenzene	63		65		40-140	3		50
1,4-Dichlorobenzene	65		66		28-104	2		50
3,3'-Dichlorobenzidine	43		43		40-140	0		50
2,4-Dinitrotoluene	86		94	Q	28-89	9		50
2,6-Dinitrotoluene	91		96		40-140	5		50
Fluoranthene	90		96		40-140	6		50
4-Chlorophenyl phenyl ether	80		84		40-140	5		50
4-Bromophenyl phenyl ether	83		88		40-140	6		50
Bis(2-chloroisopropyl)ether	72		73		40-140	1		50
Bis(2-chloroethoxy)methane	77		76		40-117	1		50
Hexachlorobutadiene	62		68		40-140	9		50
Hexachlorocyclopentadiene	61		65		40-140	6		50
Hexachloroethane	63		64		40-140	2		50
Isophorone	85		85		40-140	0		50
Naphthalene	70		72		40-140	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG680944-2 WG680944-3								
Nitrobenzene	73		76		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		94			8		50
n-Nitrosodi-n-propylamine	80		79		32-121	1		50
Bis(2-Ethylhexyl)phthalate	87		92		40-140	6		50
Butyl benzyl phthalate	90		98		40-140	9		50
Di-n-butylphthalate	84		92		40-140	9		50
Di-n-octylphthalate	87		94		40-140	8		50
Diethyl phthalate	85		90		40-140	6		50
Dimethyl phthalate	84		87		40-140	4		50
Benzo(a)anthracene	84		90		40-140	7		50
Benzo(a)pyrene	86		92		40-140	7		50
Benzo(b)fluoranthene	83		89		40-140	7		50
Benzo(k)fluoranthene	80		84		40-140	5		50
Chrysene	80		86		40-140	7		50
Acenaphthylene	90		92		40-140	2		50
Anthracene	84		90		40-140	7		50
Benzo(ghi)perylene	81		88		40-140	8		50
Fluorene	84		89		40-140	6		50
Phenanthrene	83		89		40-140	7		50
Dibenzo(a,h)anthracene	81		87		40-140	7		50
Indeno(1,2,3-cd)Pyrene	83		91		40-140	9		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG680944-2 WG680944-3								
Pyrene	88		94		35-142	7		50
Biphenyl	74		74			0		50
4-Chloroaniline	64		56		40-140	13		50
2-Nitroaniline	93		96		47-134	3		50
3-Nitroaniline	59		57		26-129	3		50
4-Nitroaniline	89		97		41-125	9		50
Dibenzofuran	79		84		40-140	6		50
2-Methylnaphthalene	77		78		40-140	1		50
1,2,4,5-Tetrachlorobenzene	67		70		40-117	4		50
Acetophenone	77		77		14-144	0		50
2,4,6-Trichlorophenol	86		90		30-130	5		50
P-Chloro-M-Cresol	94		97		26-103	3		50
2-Chlorophenol	77		77		25-102	0		50
2,4-Dichlorophenol	82		83		30-130	1		50
2,4-Dimethylphenol	87		84		30-130	4		50
2-Nitrophenol	77		78		30-130	1		50
4-Nitrophenol	103		114		11-114	10		50
2,4-Dinitrophenol	70		75		4-130	7		50
4,6-Dinitro-o-cresol	86		93		10-130	8		50
Pentachlorophenol	86		92		17-109	7		50
Phenol	80		78		26-90	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG680944-2 WG680944-3								
2-Methylphenol	85		84		30-130.	1		50
3-Methylphenol/4-Methylphenol	89		86		30-130	3		50
2,4,5-Trichlorophenol	93		95		30-130	2		50
Benzoic Acid	24		21			13		50
Benzyl Alcohol	84		83		40-140	1		50
Carbazole	88		95		54-128	8		50
Benzaldehyde	74		74			0		50
Caprolactam	102		109			7		50
Atrazine	94		102			8		50
2,3,4,6-Tetrachlorophenol	87		93			7		50
1-Methylnaphthalene	78		77		26-130	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		76		25-120
Phenol-d6	81		79		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	80		79		30-120
2,4,6-Tribromophenol	79		85		0-136
4-Terphenyl-d14	84		91		18-120

PCBS

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01
Client ID: D2-SW (3.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/09/14 13:52
Analyst: JW
Percent Solids: 85%

Date Collected: 04/07/14 08:30
Date Received: 04/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/08/14 17:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/09/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.46	1	A
Aroclor 1232	ND		ug/kg	37.6	4.40	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	3.17	1	A
Aroclor 1254	ND		ug/kg	37.6	3.09	1	A
Aroclor 1260	ND		ug/kg	37.6	2.86	1	A
Aroclor 1262	ND		ug/kg	37.6	1.86	1	A
Aroclor 1268	ND		ug/kg	37.6	5.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02
Client ID: F2-SW (4.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/09/14 14:05
Analyst: JW
Percent Solids: 89%

Date Collected: 04/07/14 08:15
Date Received: 04/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/08/14 17:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/09/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	2.92	1	A
Aroclor 1221	ND		ug/kg	36.9	3.40	1	A
Aroclor 1232	ND		ug/kg	36.9	4.33	1	A
Aroclor 1242	ND		ug/kg	36.9	4.52	1	A
Aroclor 1248	ND		ug/kg	36.9	3.12	1	A
Aroclor 1254	ND		ug/kg	36.9	3.04	1	A
Aroclor 1260	ND		ug/kg	36.9	2.81	1	A
Aroclor 1262	ND		ug/kg	36.9	1.83	1	A
Aroclor 1268	ND		ug/kg	36.9	5.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 04/09/14 15:31
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 04/08/14 17:46
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/09/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG680879-1						
Aroclor 1016	ND		ug/kg	33.1	2.61	A
Aroclor 1221	ND		ug/kg	33.1	3.05	A
Aroclor 1232	ND		ug/kg	33.1	3.88	A
Aroclor 1242	ND		ug/kg	33.1	4.05	A
Aroclor 1248	ND		ug/kg	33.1	2.79	A
Aroclor 1254	ND		ug/kg	33.1	2.72	A
Aroclor 1260	ND		ug/kg	33.1	2.52	A
Aroclor 1262	ND		ug/kg	33.1	1.64	A
Aroclor 1268	ND		ug/kg	33.1	4.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	73		30-150	B
Decachlorobiphenyl	57		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG680879-2 WG680879-3									
Aroclor 1016	79		81		40-140	3		50	A
Aroclor 1260	57		62		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	58		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		94		30-150	B
Decachlorobiphenyl	76		86		30-150	B

PESTICIDES

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-01
Client ID: D2-SW (3.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/10/14 17:35
Analyst: SH
Percent Solids: 85%

Date Collected: 04/07/14 08:30
Date Received: 04/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/08/14 16:47
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	1.29	J	ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.769	0.344	1	A
Alpha-BHC	ND		ug/kg	0.769	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.700	1	A
Heptachlor	ND		ug/kg	0.923	0.414	1	A
Aldrin	ND		ug/kg	1.84	0.650	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.769	0.315	1	A
Dieldrin	ND		ug/kg	1.15	0.577	1	A
4,4'-DDE	ND		ug/kg	1.84	0.427	1	A
4,4'-DDD	ND		ug/kg	1.84	0.658	1	A
4,4'-DDT	ND		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.436	1	A
Endosulfan II	ND		ug/kg	1.84	0.617	1	A
Endosulfan sulfate	ND		ug/kg	0.769	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
cis-Chlordane	ND		ug/kg	2.31	0.643	1	A
trans-Chlordane	ND		ug/kg	2.31	0.609	1	A
Chlordane	ND		ug/kg	15.0	6.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	146		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	497	Q	30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**SAMPLE RESULTS**

Lab ID: L1407159-02
Client ID: F2-SW (4.5')
Sample Location: 520 W. 28TH ST. NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/10/14 17:48
Analyst: SH
Percent Solids: 89%

Date Collected: 04/07/14 08:15
Date Received: 04/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/08/14 16:47
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.30	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.30	1.02	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.3	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 04/10/14 17:22
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 04/08/14 16:47
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG680876-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.662	0.296	A
Alpha-BHC	ND		ug/kg	0.662	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.795	0.356	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.894	A
Endrin	ND		ug/kg	0.662	0.272	A
Dieldrin	ND		ug/kg	0.993	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.567	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.662	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.927	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.524	A
Chlordane	ND		ug/kg	12.9	5.26	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	138		30-150	A
Decachlorobiphenyl	133		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG680876-2 WG680876-3									
Delta-BHC	89		89		30-150	0		30	A
Lindane	90		91		30-150	1		30	A
Alpha-BHC	91		95		30-150	4		30	A
Beta-BHC	88		95		30-150	8		30	A
Heptachlor	88		91		30-150	3		30	A
Aldrin	100		102		30-150	2		30	A
Heptachlor epoxide	96		98		30-150	2		30	A
Endrin	112		110		30-150	2		30	A
Endrin ketone	100		99		30-150	1		30	A
Dieldrin	107		105		30-150	2		30	A
4,4'-DDE	106		107		30-150	1		30	A
4,4'-DDD	107		101		30-150	6		30	A
4,4'-DDT	113		107		30-150	5		30	A
Endosulfan I	102		102		30-150	0		30	A
Endosulfan II	103		101		30-150	2		30	A
Endosulfan sulfate	101		97		30-150	4		30	A
Methoxychlor	103		94		30-150	9		30	A
cis-Chlordane	104		98		30-150	6		30	A
trans-Chlordane	104		100		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG680876-2 WG680876-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		103		30-150	A
Decachlorobiphenyl	137		125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		79		30-150	B
Decachlorobiphenyl	144		121		30-150	B

METALS

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

SAMPLE RESULTS

Lab ID: L1407159-01
 Client ID: D2-SW (3.5')
 Sample Location: 520 W. 28TH ST. NYC
 Matrix: Soil
 Percent Solids: 85%

Date Collected: 04/07/14 08:30
 Date Received: 04/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5800		mg/kg	8.9	1.8	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Antimony, Total	8.1		mg/kg	4.4	0.71	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Arsenic, Total	51		mg/kg	0.89	0.18	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Barium, Total	1200		mg/kg	0.89	0.27	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Beryllium, Total	0.36	J	mg/kg	0.44	0.09	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Cadmium, Total	4.2		mg/kg	0.89	0.06	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	8.9	2.7	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Chromium, Total	35		mg/kg	0.89	0.18	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Cobalt, Total	7.5		mg/kg	1.8	0.44	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Copper, Total	290		mg/kg	0.89	0.18	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Iron, Total	47000		mg/kg	4.4	1.8	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Lead, Total	2000		mg/kg	4.4	0.18	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Magnesium, Total	1600		mg/kg	8.9	0.89	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Manganese, Total	380		mg/kg	0.89	0.18	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Mercury, Total	3.6		mg/kg	0.18	0.04	2	04/08/14 11:09	04/09/14 12:55	EPA 7471B	1,7471B	MC
Nickel, Total	32		mg/kg	2.2	0.36	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Potassium, Total	750		mg/kg	220	36.	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Selenium, Total	2.8		mg/kg	1.8	0.27	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Silver, Total	1.1		mg/kg	0.89	0.18	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Sodium, Total	140	J	mg/kg	180	27.	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Vanadium, Total	66		mg/kg	0.89	0.09	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG
Zinc, Total	2100		mg/kg	4.4	0.62	2	04/08/14 12:32	04/08/14 17:50	EPA 3050B	1,6010C	MG



Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

SAMPLE RESULTS

Lab ID: L1407159-02
 Client ID: F2-SW (4.5')
 Sample Location: 520 W. 28TH ST. NYC
 Matrix: Soil
 Percent Solids: 89%

Date Collected: 04/07/14 08:15
 Date Received: 04/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	8.8	1.8	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.4	0.70	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Arsenic, Total	6.5		mg/kg	0.88	0.18	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Barium, Total	49		mg/kg	0.88	0.26	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Beryllium, Total	0.25	J	mg/kg	0.44	0.09	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Calcium, Total	24000		mg/kg	8.8	2.6	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.88	0.18	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Cobalt, Total	4.3		mg/kg	1.8	0.44	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Copper, Total	27		mg/kg	0.88	0.18	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Iron, Total	10000		mg/kg	4.4	1.8	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Lead, Total	57		mg/kg	4.4	0.18	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Magnesium, Total	2000		mg/kg	8.8	0.88	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Manganese, Total	330		mg/kg	0.88	0.18	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Mercury, Total	0.34		mg/kg	0.07	0.02	1	04/08/14 11:09	04/09/14 10:37	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.2	0.35	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Potassium, Total	1100		mg/kg	220	35.	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.26	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.88	0.18	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Sodium, Total	120	J	mg/kg	180	26.	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.88	0.09	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG
Zinc, Total	43		mg/kg	4.4	0.61	2	04/08/14 12:32	04/08/14 17:54	EPA 3050B	1,6010C	MG



Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407159
Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG680710-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/08/14 11:09	04/09/14 10:20	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG680814-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	04/08/14 12:32	04/08/14 16:20	1,6010C	MG

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG680710-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG680814-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	94	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	94	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	91	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	96	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1407159**Report Date:** 04/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG680814-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Lab Number: L1407159

Project Number: E040

Report Date: 04/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG680710-4 QC Sample: L1407097-03 Client ID: MS Sample												
Mercury, Total	3.1	0.16	4.1	625	Q	-	-		80-120	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG680814-4 QC Sample: L1407118-01 Client ID: MS Sample									
Aluminum, Total	11000	191	9600	0	Q	-	75-125	-	20
Antimony, Total	ND	47.8	39	82	-	-	75-125	-	20
Arsenic, Total	4.2	11.5	13	77	-	-	75-125	-	20
Barium, Total	110	191	250	73	Q	-	75-125	-	20
Beryllium, Total	0.37	4.78	4.2	80	-	-	75-125	-	20
Cadmium, Total	ND	4.87	3.7	76	-	-	75-125	-	20
Calcium, Total	10000	955	8300	0	Q	-	75-125	-	20
Chromium, Total	30.	19.1	42	63	Q	-	75-125	-	20
Cobalt, Total	11.	47.8	46	73	Q	-	75-125	-	20
Copper, Total	26.	23.9	44	75	-	-	75-125	-	20
Iron, Total	21000	95.5	18000	0	Q	-	75-125	-	20
Lead, Total	40.	48.7	100	123	-	-	75-125	-	20
Magnesium, Total	7900	955	7000	0	Q	-	75-125	-	20
Manganese, Total	190	47.8	220	63	Q	-	75-125	-	20
Nickel, Total	26.	47.8	57	65	Q	-	75-125	-	20
Potassium, Total	5400	955	5500	10	Q	-	75-125	-	20
Selenium, Total	ND	11.5	9.6	84	-	-	75-125	-	20
Silver, Total	ND	28.6	24	84	-	-	75-125	-	20
Sodium, Total	340	955	1200	90	-	-	75-125	-	20
Thallium, Total	ND	11.5	7.4	64	Q	-	75-125	-	20
Vanadium, Total	28.	47.8	61	69	Q	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG680814-4 QC Sample: L1407118-01 Client ID: MS Sample									
Zinc, Total	56.	47.8	200	302	Q	-	-	75-125	- 20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG680710-3 QC Sample: L1407097-03 Client ID: DUP Sample						
Mercury, Total	3.1	12	mg/kg	118	Q	35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG680814-3 QC Sample: L1407118-01 Client ID: DUP Sample						
Arsenic, Total	4.2	4.2	mg/kg	0		20
Barium, Total	110	110	mg/kg	0		20
Beryllium, Total	0.37	0.33	mg/kg	11		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	30.	29	mg/kg	3		20
Copper, Total	26.	25	mg/kg	4		20
Lead, Total	40.	48	mg/kg	18		20
Manganese, Total	190	230	mg/kg	19		20
Nickel, Total	26.	23	mg/kg	12		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	56.	52	mg/kg	7		20

INORGANICS & MISCELLANEOUS

Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1407159**Report Date:** 04/14/14**SAMPLE RESULTS****Lab ID:** L1407159-01**Client ID:** D2-SW (3.5')**Sample Location:** 520 W. 28TH ST. NYC**Matrix:** Soil**Date Collected:** 04/07/14 08:30**Date Received:** 04/07/14**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	85.1		%	0.100	NA	1	-	04/08/14 21:12	30,2540G	RT



Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

SAMPLE RESULTS

Lab ID: L1407159-02

Client ID: F2-SW (4.5')

Sample Location: 520 W. 28TH ST. NYC

Matrix: Soil

Date Collected: 04/07/14 08:15

Date Received: 04/07/14

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	88.9		%	0.100	NA	1	-	04/08/14 21:12	30,2540G	RT



Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1407159**Report Date:** 04/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG680921-1 QC Sample: L1404332-23 Client ID: DUP Sample						
Solids, Total	86.2	84.8	%	2		20

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1407159

Report Date: 04/14/14

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 04/08/2014 00:35

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1407159-01A	5 gram Encore Sampler	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(2)
L1407159-01B	5 gram Encore Sampler	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(2)
L1407159-01C	5 gram Encore Sampler	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(2)
L1407159-01D	Plastic 2oz unpreserved for TS	A	N/A	4.0	Y	Absent	TS(7)
L1407159-01E	Amber 250ml unpreserved	A	N/A	4.0	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1407159-01X	Vial MeOH preserved split	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(14)
L1407159-01Y	Vial Water preserved split	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(14)
L1407159-01Z	Vial Water preserved split	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(14)
L1407159-02A	5 gram Encore Sampler	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(2)
L1407159-02B	5 gram Encore Sampler	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(2)
L1407159-02C	5 gram Encore Sampler	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(2)
L1407159-02D	Plastic 2oz unpreserved for TS	A	N/A	4.0	Y	Absent	TS(7)
L1407159-02E	Amber 250ml unpreserved	A	N/A	4.0	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1407159**Report Date:** 04/14/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1407159-02X	Vial MeOH preserved split	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(14)
L1407159-02Y	Vial Water preserved split	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(14)
L1407159-02Z	Vial Water preserved split	A	N/A	4.0	Y	Absent	NYTCL-8260HLW(14)
L1407159-03A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1407159-03B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)

Container Comments

L1407159-02E

*Values in parentheses indicate holding time in days

Project Name: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14

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: 520 W. 28TH ST.**Lab Number:** L1407159**Project Number:** E040**Report Date:** 04/14/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1407159
Report Date: 04/14/14

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1406335
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W. 28TH ST.
Project Number:	E040
Report Date:	04/02/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1406335
Report Date: 04/02/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1406335-01	D4 SW (3.5')	520 W. 28TH ST., NYC	03/26/14 09:30
L1406335-02	D5-SW (4.5')	520 W. 28TH ST., NYC	03/26/14 09:20
L1406335-03	TRIP BLANK	520 W. 28TH ST., NYC	03/26/14 00:00

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1406335
Report Date: 04/02/14

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: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1406335
Report Date: 04/02/14

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.

Semivolatile Organics

L1406335-01 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Total Metals

L1406335-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG678754-4 MS recovery for mercury (1260%), performed on L1406335-01, does not apply because the sample concentration is greater than four times the spike amount added.

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: 04/02/14

ORGANICS

VOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01
Client ID: D4 SW (3.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/31/14 09:50
Analyst: BN
Percent Solids: 90%

Date Collected: 03/26/14 09:30
Date Received: 03/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.95	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.29	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01

Date Collected: 03/26/14 09:30

Client ID: D4 SW (3.5')

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	1
o-Chlorotoluene	ND		ug/kg	6.1	0.19	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.93	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.19	1
4-Ethyltoluene	ND		ug/kg	4.8	0.14	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01

Date Collected: 03/26/14 09:30

Client ID: D4 SW (3.5')

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02
Client ID: D5-SW (4.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/31/14 10:17
Analyst: BN
Percent Solids: 87%

Date Collected: 03/26/14 09:20
Date Received: 03/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	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	0.51	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	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	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	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02

Date Collected: 03/26/14 09:20

Client ID: D5-SW (4.5')

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	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	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	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	0.27	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	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	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	0.47	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.6	0.86	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	0.64	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: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02

Date Collected: 03/26/14 09:20

Client ID: D5-SW (4.5')

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - 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	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-03
Client ID: TRIP BLANK
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/14 13:54
Analyst: PD

Date Collected: 03/26/14 00:00
Date Received: 03/26/14
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: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-03

Date Collected: 03/26/14 00:00

Client ID: TRIP BLANK

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-03

Date Collected: 03/26/14 00:00

Client ID: TRIP BLANK

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

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	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/14 08:58
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG679100-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.35	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.58	J	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

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/14 08:58
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG679100-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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



Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/14 08:58
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG679100-3					
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 03/31/14 08:58

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG679100-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	88		70-130

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/02/14 12:07
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG679724-3					
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: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/02/14 12:07
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG679724-3					
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: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/02/14 12:07
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG679724-3					
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG679100-1 WG679100-2								
Methylene chloride	91		86		70-130	6		30
1,1-Dichloroethane	98		91		70-130	7		30
Chloroform	98		92		70-130	6		30
Carbon tetrachloride	86		76		70-130	12		30
1,2-Dichloropropane	99		94		70-130	5		30
Dibromochloromethane	83		82		70-130	1		30
2-Chloroethylvinyl ether	88		88		70-130	0		30
1,1,2-Trichloroethane	97		96		70-130	1		30
Tetrachloroethene	93		84		70-130	10		30
Chlorobenzene	95		90		70-130	5		30
Trichlorofluoromethane	83		63	Q	70-139	27		30
1,2-Dichloroethane	99		96		70-130	3		30
1,1,1-Trichloroethane	97		86		70-130	12		30
Bromodichloromethane	88		84		70-130	5		30
trans-1,3-Dichloropropene	89		87		70-130	2		30
cis-1,3-Dichloropropene	90		86		70-130	5		30
1,1-Dichloropropene	97		86		70-130	12		30
Bromoform	76		74		70-130	3		30
1,1,2,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	96		90		70-130	6		30
Toluene	90		84		70-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG679100-1 WG679100-2								
Ethylbenzene	94		86		70-130	9		30
Chloromethane	96		87		52-130	10		30
Bromomethane	95		82		57-147	15		30
Vinyl chloride	97		82		67-130	17		30
Chloroethane	103		79		50-151	26		30
1,1-Dichloroethene	94		81		65-135	15		30
trans-1,2-Dichloroethene	93		85		70-130	9		30
Trichloroethene	95		88		70-130	8		30
1,2-Dichlorobenzene	95		92		70-130	3		30
1,3-Dichlorobenzene	96		92		70-130	4		30
1,4-Dichlorobenzene	96		92		70-130	4		30
Methyl tert butyl ether	94		93		66-130	1		30
p/m-Xylene	93		85		70-130	9		30
o-Xylene	94		88		70-130	7		30
cis-1,2-Dichloroethene	96		90		70-130	6		30
Dibromomethane	96		95		70-130	1		30
Styrene	93		88		70-130	6		30
Dichlorodifluoromethane	90		76		30-146	17		30
Acetone	93		98		54-140	5		30
Carbon disulfide	88		77		59-130	13		30
2-Butanone	84		87		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG679100-1 WG679100-2								
Vinyl acetate	98		96		70-130	2		30
4-Methyl-2-pentanone	81		81		70-130	0		30
1,2,3-Trichloropropane	92		94		68-130	2		30
2-Hexanone	82		83		70-130	1		30
Bromochloromethane	99		96		70-130	3		30
2,2-Dichloropropane	102		92		70-130	10		30
1,2-Dibromoethane	95		93		70-130	2		30
1,3-Dichloropropane	97		97		69-130	0		30
1,1,1,2-Tetrachloroethane	89		86		70-130	3		30
Bromobenzene	93		90		70-130	3		30
n-Butylbenzene	97		88		70-130	10		30
sec-Butylbenzene	95		86		70-130	10		30
tert-Butylbenzene	94		86		70-130	9		30
o-Chlorotoluene	95		90		70-130	5		30
p-Chlorotoluene	97		92		70-130	5		30
1,2-Dibromo-3-chloropropane	83		83		68-130	0		30
Hexachlorobutadiene	93		85		67-130	9		30
Isopropylbenzene	93		85		70-130	9		30
p-Isopropyltoluene	94		85		70-130	10		30
Naphthalene	90		90		70-130	0		30
Acrylonitrile	100		96		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG679100-1 WG679100-2								
Isopropyl Ether	99		95		66-130	4		30
tert-Butyl Alcohol	89		91		70-130	2		30
n-Propylbenzene	94		86		70-130	9		30
1,2,3-Trichlorobenzene	95		94		70-130	1		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		89		70-130	5		30
Methyl Acetate	97		96		51-146	1		30
Ethyl Acetate	92		94		70-130	2		30
Acrolein	92		93		70-130	1		30
Cyclohexane	96		82		59-142	16		30
1,4-Dioxane	97		99		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	92		79		50-139	15		30
1,4-Diethylbenzene	94		86		70-130	9		30
4-Ethyltoluene	94		87		70-130	8		30
1,2,4,5-Tetramethylbenzene	87		83		70-130	5		30
Tetrahydrofuran	98		97		66-130	1		30
Ethyl ether	91		91		67-130	0		30
trans-1,4-Dichloro-2-butene	90		91		70-130	1		30
Methyl cyclohexane	93		78		70-130	18		30
Ethyl-Tert-Butyl-Ether	97		94		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG679100-1 WG679100-2								
Tertiary-Amyl Methyl Ether	96		94		70-130	2		30

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679724-1 WG679724-2								
Methylene chloride	90		82		70-130	9		20
1,1-Dichloroethane	95		85		70-130	11		20
Chloroform	96		87		70-130	10		20
Carbon tetrachloride	92		83		63-132	10		20
1,2-Dichloropropane	90		83		70-130	8		20
Dibromochloromethane	85		82		63-130	4		20
1,1,2-Trichloroethane	92		89		70-130	3		20
Tetrachloroethene	95		82		70-130	15		20
Chlorobenzene	91		84		75-130	8		20
Trichlorofluoromethane	102		88		62-150	15		20
1,2-Dichloroethane	95		89		70-130	7		20
1,1,1-Trichloroethane	94		84		67-130	11		20
Bromodichloromethane	90		85		67-130	6		20
trans-1,3-Dichloropropene	90		81		70-130	11		20
cis-1,3-Dichloropropene	90		83		70-130	8		20
1,1-Dichloropropene	92		84		70-130	9		20
Bromoform	81		77		54-136	5		20
1,1,2,2-Tetrachloroethane	88		90		67-130	2		20
Benzene	93		85		70-130	9		20
Toluene	93		86		70-130	8		20
Ethylbenzene	95		87		70-130	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679724-1 WG679724-2								
Chloromethane	86		82		64-130	5		20
Bromomethane	119		116		39-139	3		20
Vinyl chloride	91		81		55-140	12		20
Chloroethane	97		86		55-138	12		20
1,1-Dichloroethene	89		84		61-145	6		20
trans-1,2-Dichloroethene	89		82		70-130	8		20
Trichloroethene	95		86		70-130	10		20
1,2-Dichlorobenzene	88		85		70-130	3		20
1,3-Dichlorobenzene	90		83		70-130	8		20
1,4-Dichlorobenzene	90		84		70-130	7		20
Methyl tert butyl ether	88		83		63-130	6		20
p/m-Xylene	90		83		70-130	8		20
o-Xylene	91		84		70-130	8		20
cis-1,2-Dichloroethene	94		80		70-130	16		20
Dibromomethane	90		84		70-130	7		20
1,2,3-Trichloropropane	92		91		64-130	1		20
Acrylonitrile	90		90		70-130	0		20
Styrene	93		87		70-130	7		20
Dichlorodifluoromethane	97		84		36-147	14		20
Acetone	87		89		58-148	2		20
Carbon disulfide	93		81		51-130	14		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679724-1 WG679724-2								
2-Butanone	86		82		63-138	5		20
Vinyl acetate	83		80		70-130	4		20
4-Methyl-2-pentanone	88		84		59-130	5		20
2-Hexanone	86		81		57-130	6		20
Bromochloromethane	94		89		70-130	5		20
2,2-Dichloropropane	89		82		63-133	8		20
1,2-Dibromoethane	87		85		70-130	2		20
1,3-Dichloropropane	94		89		70-130	5		20
1,1,1,2-Tetrachloroethane	90		84		64-130	7		20
Bromobenzene	89		84		70-130	6		20
n-Butylbenzene	95		87		53-136	9		20
sec-Butylbenzene	94		88		70-130	7		20
tert-Butylbenzene	91		86		70-130	6		20
o-Chlorotoluene	93		88		70-130	6		20
p-Chlorotoluene	93		89		70-130	4		20
1,2-Dibromo-3-chloropropane	75		81		41-144	8		20
Hexachlorobutadiene	93		85		63-130	9		20
Isopropylbenzene	95		87		70-130	9		20
p-Isopropyltoluene	93		86		70-130	8		20
Naphthalene	82		79		70-130	4		20
n-Propylbenzene	97		91		69-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679724-1 WG679724-2								
1,2,3-Trichlorobenzene	88		85		70-130	3		20
1,2,4-Trichlorobenzene	87		81		70-130	7		20
1,3,5-Trimethylbenzene	96		89		64-130	8		20
1,2,4-Trimethylbenzene	94		88		70-130	7		20
1,4-Dioxane	89		88		56-162	1		20
p-Diethylbenzene	91		82		70-130	10		20
p-Ethyltoluene	94		89		70-130	5		20
1,2,4,5-Tetramethylbenzene	90		84		70-130	7		20
Ethyl ether	93		84		59-134	10		20
trans-1,4-Dichloro-2-butene	82		82		70-130	0		20

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

SEMIVOLATILES

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01 D
Client ID: D4 SW (3.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/29/14 02:04
Analyst: JB
Percent Solids: 90%

Date Collected: 03/26/14 09:30
Date Received: 03/26/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	280	J	ug/kg	880	230	6
1,2,4-Trichlorobenzene	ND		ug/kg	1100	360	6
Hexachlorobenzene	ND		ug/kg	660	200	6
Bis(2-chloroethyl)ether	ND		ug/kg	990	310	6
2-Chloronaphthalene	ND		ug/kg	1100	360	6
1,2-Dichlorobenzene	ND		ug/kg	1100	360	6
1,3-Dichlorobenzene	ND		ug/kg	1100	350	6
1,4-Dichlorobenzene	ND		ug/kg	1100	330	6
3,3'-Dichlorobenzidine	ND		ug/kg	1100	290	6
2,4-Dinitrotoluene	ND		ug/kg	1100	240	6
2,6-Dinitrotoluene	ND		ug/kg	1100	280	6
Fluoranthene	3000		ug/kg	660	200	6
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	330	6
4-Bromophenyl phenyl ether	ND		ug/kg	1100	250	6
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	390	6
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	330	6
Hexachlorobutadiene	ND		ug/kg	1100	310	6
Hexachlorocyclopentadiene	ND		ug/kg	3200	710	6
Hexachloroethane	ND		ug/kg	880	200	6
Isophorone	ND		ug/kg	990	290	6
Naphthalene	ND		ug/kg	1100	360	6
Nitrobenzene	ND		ug/kg	990	260	6
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	880	230	6
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	330	6
Bis(2-Ethylhexyl)phthalate	630	J	ug/kg	1100	290	6
Butyl benzyl phthalate	ND		ug/kg	1100	220	6
Di-n-butylphthalate	ND		ug/kg	1100	210	6
Di-n-octylphthalate	ND		ug/kg	1100	270	6
Diethyl phthalate	ND		ug/kg	1100	230	6
Dimethyl phthalate	ND		ug/kg	1100	280	6
Benzo(a)anthracene	1400		ug/kg	660	220	6

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01 D
 Client ID: D4 SW (3.5')
 Sample Location: 520 W. 28TH ST., NYC

Date Collected: 03/26/14 09:30
 Date Received: 03/26/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1500		ug/kg	880	270	6
Benzo(b)fluoranthene	1800		ug/kg	660	220	6
Benzo(k)fluoranthene	640	J	ug/kg	660	210	6
Chrysene	1400		ug/kg	660	220	6
Acenaphthylene	220	J	ug/kg	880	200	6
Anthracene	600	J	ug/kg	660	180	6
Benzo(ghi)perylene	1000		ug/kg	880	230	6
Fluorene	ND		ug/kg	1100	320	6
Phenanthrene	2400		ug/kg	660	220	6
Dibenzo(a,h)anthracene	240	J	ug/kg	660	210	6
Indeno(1,2,3-cd)Pyrene	1200		ug/kg	880	240	6
Pyrene	2600		ug/kg	660	210	6
Biphenyl	ND		ug/kg	2500	360	6
4-Chloroaniline	ND		ug/kg	1100	290	6
2-Nitroaniline	ND		ug/kg	1100	310	6
3-Nitroaniline	ND		ug/kg	1100	300	6
4-Nitroaniline	ND		ug/kg	1100	300	6
Dibenzofuran	ND		ug/kg	1100	370	6
2-Methylnaphthalene	ND		ug/kg	1300	350	6
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	340	6
Acetophenone	ND		ug/kg	1100	340	6
2,4,6-Trichlorophenol	ND		ug/kg	660	210	6
P-Chloro-M-Cresol	ND		ug/kg	1100	320	6
2-Chlorophenol	ND		ug/kg	1100	330	6
2,4-Dichlorophenol	ND		ug/kg	990	360	6
2,4-Dimethylphenol	ND		ug/kg	1100	330	6
2-Nitrophenol	ND		ug/kg	2400	340	6
4-Nitrophenol	ND		ug/kg	1500	360	6
2,4-Dinitrophenol	ND		ug/kg	5300	1500	6
4,6-Dinitro-o-cresol	ND		ug/kg	2900	400	6
Pentachlorophenol	ND		ug/kg	880	240	6
Phenol	ND		ug/kg	1100	320	6
2-Methylphenol	ND		ug/kg	1100	350	6
3-Methylphenol/4-Methylphenol	ND		ug/kg	1600	360	6
2,4,5-Trichlorophenol	ND		ug/kg	1100	360	6
Benzoic Acid	ND		ug/kg	3600	1100	6
Benzyl Alcohol	ND		ug/kg	1100	340	6
Carbazole	280	J	ug/kg	1100	240	6

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01 D

Date Collected: 03/26/14 09:30

Client ID: D4 SW (3.5')

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	96		30-120
2,4,6-Tribromophenol	80		0-136
4-Terphenyl-d14	89		18-120

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02
Client ID: D5-SW (4.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/29/14 02:30
Analyst: JB
Percent Solids: 87%

Date Collected: 03/26/14 09:20
Date Received: 03/26/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	1200		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	39.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	570		ug/kg	110	36.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02

Date Collected: 03/26/14 09:20

Client ID: D5-SW (4.5')

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	480		ug/kg	150	46.	1
Benzo(b)fluoranthene	570		ug/kg	110	38.	1
Benzo(k)fluoranthene	220		ug/kg	110	36.	1
Chrysene	580		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	270		ug/kg	110	31.	1
Benzo(ghi)perylene	300		ug/kg	150	39.	1
Fluorene	150	J	ug/kg	190	53.	1
Phenanthrene	1400		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	71	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	300		ug/kg	150	41.	1
Pyrene	1100		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	52.	1
3-Nitroaniline	ND		ug/kg	190	51.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	78	J	ug/kg	190	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	130	J	ug/kg	190	40.	1

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02

Date Collected: 03/26/14 09:20

Client ID: D5-SW (4.5')

Date Received: 03/26/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	81		18-120

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/28/14 19:11
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG678534-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/28/14 19:11
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG678534-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/28/14 19:11
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG678534-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	99		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
Acenaphthene	89		94		31-137	5		50
1,2,4-Trichlorobenzene	74		79		38-107	7		50
Hexachlorobenzene	96		100		40-140	4		50
Bis(2-chloroethyl)ether	68		70		40-140	3		50
2-Chloronaphthalene	82		83		40-140	1		50
1,2-Dichlorobenzene	74		77		40-140	4		50
1,3-Dichlorobenzene	71		74		40-140	4		50
1,4-Dichlorobenzene	72		75		28-104	4		50
3,3'-Dichlorobenzidine	53		55		40-140	4		50
2,4-Dinitrotoluene	101	Q	104	Q	28-89	3		50
2,6-Dinitrotoluene	96		94		40-140	2		50
Fluoranthene	100		101		40-140	1		50
4-Chlorophenyl phenyl ether	94		98		40-140	4		50
4-Bromophenyl phenyl ether	96		101		40-140	5		50
Bis(2-chloroisopropyl)ether	75		76		40-140	1		50
Bis(2-chloroethoxy)methane	78		78		40-117	0		50
Hexachlorobutadiene	76		82		40-140	8		50
Hexachlorocyclopentadiene	79		84		40-140	6		50
Hexachloroethane	70		72		40-140	3		50
Isophorone	79		79		40-140	0		50
Naphthalene	77		80		40-140	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
Nitrobenzene	79		84		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	98		102			4		50
n-Nitrosodi-n-propylamine	76		76		32-121	0		50
Bis(2-ethylhexyl)phthalate	102		107		40-140	5		50
Butyl benzyl phthalate	101		107		40-140	6		50
Di-n-butylphthalate	101		105		40-140	4		50
Di-n-octylphthalate	103		108		40-140	5		50
Diethyl phthalate	97		102		40-140	5		50
Dimethyl phthalate	96		102		40-140	6		50
Benzo(a)anthracene	101		105		40-140	4		50
Benzo(a)pyrene	103		108		40-140	5		50
Benzo(b)fluoranthene	98		101		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	91		97		40-140	6		50
Acenaphthylene	91		92		40-140	1		50
Anthracene	104		107		40-140	3		50
Benzo(ghi)perylene	100		106		40-140	6		50
Fluorene	96		101		40-140	5		50
Phenanthrene	101		104		40-140	3		50
Dibenzo(a,h)anthracene	103		107		40-140	4		50
Indeno(1,2,3-cd)pyrene	101		107		40-140	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
Pyrene	98		101		35-142	3		50
Biphenyl	85		92			8		50
4-Chloroaniline	80		84		40-140	5		50
2-Nitroaniline	92		93		47-134	1		50
3-Nitroaniline	58		57		26-129	2		50
4-Nitroaniline	84		96		41-125	13		50
Dibenzofuran	92		96		40-140	4		50
2-Methylnaphthalene	82		83		40-140	1		50
1,2,4,5-Tetrachlorobenzene	80		87		40-117	8		50
Acetophenone	80		82		14-144	2		50
2,4,6-Trichlorophenol	90		92		30-130	2		50
P-Chloro-M-Cresol	98		99		26-103	1		50
2-Chlorophenol	77		76		25-102	1		50
2,4-Dichlorophenol	90		94		30-130	4		50
2,4-Dimethylphenol	87		88		30-130	1		50
2-Nitrophenol	74		74		30-130	0		50
4-Nitrophenol	93		98		11-114	5		50
2,4-Dinitrophenol	50		58		4-130	15		50
4,6-Dinitro-o-cresol	63		64		10-130	2		50
Pentachlorophenol	78		80		17-109	3		50
Phenol	77		75		26-90	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
2-Methylphenol	84		86		30-130.	2		50
3-Methylphenol/4-Methylphenol	76		76		30-130	0		50
2,4,5-Trichlorophenol	93		95		30-130	2		50
Benzoic Acid	38		37			3		50
Benzyl Alcohol	80		81		40-140	1		50
Carbazole	100		103		54-128	3		50
Benzaldehyde	83		85			2		50
Caprolactam	96		98			2		50
Atrazine	107		112			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		80		25-120
Phenol-d6	78		77		10-120
Nitrobenzene-d5	78		76		23-120
2-Fluorobiphenyl	85		88		30-120
2,4,6-Tribromophenol	99		104		0-136
4-Terphenyl-d14	98		101		18-120

PCBS

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01 D
Client ID: D4 SW (3.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/31/14 16:44
Analyst: JW
Percent Solids: 90%

Date Collected: 03/26/14 09:30
Date Received: 03/26/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 20:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/29/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	178	14.1	5	A
Aroclor 1221	ND		ug/kg	178	16.4	5	A
Aroclor 1232	ND		ug/kg	178	20.9	5	A
Aroclor 1242	ND		ug/kg	178	21.8	5	A
Aroclor 1248	743		ug/kg	178	15.0	5	B
Aroclor 1254	531		ug/kg	178	14.6	5	A
Aroclor 1260	480		ug/kg	178	13.6	5	B
Aroclor 1262	ND		ug/kg	178	8.84	5	A
Aroclor 1268	ND		ug/kg	178	25.8	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02
Client ID: D5-SW (4.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/29/14 19:04
Analyst: JW
Percent Solids: 87%

Date Collected: 03/26/14 09:20
Date Received: 03/26/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 20:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/29/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.52	1	A
Aroclor 1232	ND		ug/kg	38.1	4.47	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.14	1	A
Aroclor 1260	ND		ug/kg	38.1	2.91	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 03/29/14 19:44
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 20:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/29/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG678794-1						
Aroclor 1016	ND		ug/kg	32.8	2.59	A
Aroclor 1221	ND		ug/kg	32.8	3.02	A
Aroclor 1232	ND		ug/kg	32.8	3.84	A
Aroclor 1242	ND		ug/kg	32.8	4.02	A
Aroclor 1248	ND		ug/kg	32.8	2.77	A
Aroclor 1254	ND		ug/kg	32.8	2.70	A
Aroclor 1260	ND		ug/kg	32.8	2.50	A
Aroclor 1262	ND		ug/kg	32.8	1.63	A
Aroclor 1268	ND		ug/kg	32.8	4.76	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	92		30-150	B
Decachlorobiphenyl	70		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG678794-2 WG678794-3									
Aroclor 1016	89		96		40-140	8		50	A
Aroclor 1260	84		91		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		97		30-150	A
Decachlorobiphenyl	87		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		91		30-150	B
Decachlorobiphenyl	103		101		30-150	B

PESTICIDES

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-01
Client ID: D4 SW (3.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/30/14 04:44
Analyst: SH
Percent Solids: 90%

Date Collected: 03/26/14 09:30
Date Received: 03/26/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 05:44
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.974	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	54.9	P	ug/kg	3.24	1.39	1	B
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.1	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**SAMPLE RESULTS**

Lab ID: L1406335-02
Client ID: D5-SW (4.5')
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/30/14 04:57
Analyst: SH
Percent Solids: 87%

Date Collected: 03/26/14 09:20
Date Received: 03/26/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 05:44
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.750	0.335	1	A
Alpha-BHC	ND		ug/kg	0.750	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.682	1	A
Heptachlor	ND		ug/kg	0.899	0.403	1	A
Aldrin	ND		ug/kg	1.80	0.633	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.750	0.307	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	A
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	ND		ug/kg	3.37	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.601	1	A
Endosulfan sulfate	ND		ug/kg	0.750	0.357	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
cis-Chlordane	ND		ug/kg	2.25	0.627	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 03/30/14 04:04
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 05:44
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG678559-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.600	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.557	A
Heptachlor epoxide	ND		ug/kg	2.97	0.890	A
Endrin	ND		ug/kg	0.660	0.270	A
Dieldrin	ND		ug/kg	0.989	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.923	A
cis-Chlordane	ND		ug/kg	1.98	0.551	A
trans-Chlordane	ND		ug/kg	1.98	0.522	A
Chlordane	ND		ug/kg	12.9	5.24	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	76		30-150	A
Decachlorobiphenyl	120		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG678559-2 WG678559-3									
Delta-BHC	78		72		30-150	8		30	A
Lindane	76		70		30-150	8		30	A
Alpha-BHC	80		73		30-150	9		30	A
Beta-BHC	72		66		30-150	9		30	A
Heptachlor	84		77		30-150	9		30	A
Aldrin	87		79		30-150	10		30	A
Heptachlor epoxide	84		76		30-150	10		30	A
Endrin	95		89		30-150	7		30	A
Endrin ketone	97		92		30-150	5		30	A
Dieldrin	93		87		30-150	7		30	A
4,4'-DDE	91		85		30-150	7		30	A
4,4'-DDD	91		85		30-150	7		30	A
4,4'-DDT	103		98		30-150	5		30	A
Endosulfan I	88		82		30-150	7		30	A
Endosulfan II	92		86		30-150	7		30	A
Endosulfan sulfate	95		94		30-150	1		30	A
Methoxychlor	98		92		30-150	6		30	A
cis-Chlordane	89		83		30-150	7		30	A
trans-Chlordane	86		80		30-150	7		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG678559-2 WG678559-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		69		30-150	A
Decachlorobiphenyl	109		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		57		30-150	B
Decachlorobiphenyl	116		110		30-150	B

METALS

Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

SAMPLE RESULTS

Lab ID: L1406335-01
 Client ID: D4 SW (3.5')
 Sample Location: 520 W. 28TH ST., NYC
 Matrix: Soil
 Percent Solids: 90%

Date Collected: 03/26/14 09:30
 Date Received: 03/26/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6100		mg/kg	8.6	1.7	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Antimony, Total	4.3		mg/kg	4.3	0.69	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Arsenic, Total	12		mg/kg	0.86	0.17	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Barium, Total	270		mg/kg	0.86	0.26	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Beryllium, Total	0.27	J	mg/kg	0.43	0.09	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Cadmium, Total	4.9		mg/kg	0.86	0.06	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Calcium, Total	27000		mg/kg	8.6	2.6	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Chromium, Total	38		mg/kg	0.86	0.17	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Cobalt, Total	6.4		mg/kg	1.7	0.43	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Copper, Total	130		mg/kg	0.86	0.17	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Iron, Total	33000		mg/kg	4.3	1.7	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Lead, Total	830		mg/kg	4.3	0.17	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Magnesium, Total	2500		mg/kg	8.6	0.86	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Manganese, Total	460		mg/kg	0.86	0.17	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Mercury, Total	4.0		mg/kg	0.16	0.03	2	03/31/14 10:22	03/31/14 13:32	EPA 7471B	1,7471B	MC
Nickel, Total	25		mg/kg	2.2	0.34	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Potassium, Total	740		mg/kg	220	34.	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Selenium, Total	0.55	J	mg/kg	1.7	0.26	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Silver, Total	0.87		mg/kg	0.86	0.17	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Sodium, Total	160	J	mg/kg	170	26.	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Vanadium, Total	28		mg/kg	0.86	0.09	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG
Zinc, Total	580		mg/kg	4.3	0.60	2	03/27/14 15:02	03/28/14 11:16	EPA 3050B	1,6010C	MG



Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

SAMPLE RESULTS

Lab ID: L1406335-02
 Client ID: D5-SW (4.5')
 Sample Location: 520 W. 28TH ST., NYC
 Matrix: Soil
 Percent Solids: 87%

Date Collected: 03/26/14 09:20
 Date Received: 03/26/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4900		mg/kg	8.9	1.8	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.71	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Arsenic, Total	5.4		mg/kg	0.89	0.18	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Barium, Total	92		mg/kg	0.89	0.27	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.45	0.09	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Calcium, Total	2900		mg/kg	8.9	2.7	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.89	0.18	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Cobalt, Total	5.0		mg/kg	1.8	0.45	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Copper, Total	39		mg/kg	0.89	0.18	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.5	1.8	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Lead, Total	180		mg/kg	4.5	0.18	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Magnesium, Total	1700		mg/kg	8.9	0.89	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Manganese, Total	330		mg/kg	0.89	0.18	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Mercury, Total	0.74		mg/kg	0.09	0.02	1	03/31/14 10:22	03/31/14 13:18	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.2	0.36	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Potassium, Total	970		mg/kg	220	36.	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Sodium, Total	60	J	mg/kg	180	27.	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.89	0.09	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG
Zinc, Total	80		mg/kg	4.5	0.62	2	03/27/14 15:02	03/28/14 11:20	EPA 3050B	1,6010C	MG



Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG678453-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Lead, Total	0.15	J	mg/kg	2.0	0.08	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	03/27/14 15:02	03/28/14 10:03	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG678754-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/31/14 10:22	03/31/14 13:04	1,7471B	MC



Project Name: 520 W. 28TH ST.

Lab Number: L1406335

Project Number: E040

Report Date: 04/02/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG678453-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	78		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	86		-		83-117	-		
Chromium, Total	101		-		80-119	-		
Cobalt, Total	98		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	94		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	95		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	100		-		66-134	-		
Sodium, Total	95		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG678453-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG678754-2 SRM Lot Number: 0518-10-02					
Mercury, Total	95	-	67-133	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678453-3 WG678453-4 QC Sample: L1405635-04 Client ID: MS Sample												
Aluminum, Total	10000	209	9600	0	Q	8800	0	Q	75-125	9		20
Antimony, Total	ND	52.3	46	88		50	94		75-125	8		20
Arsenic, Total	16.	12.6	27	88		25	70	Q	75-125	8		20
Barium, Total	56.	209	260	97		260	96		75-125	0		20
Beryllium, Total	0.58	5.23	5.6	96		5.8	98		75-125	4		20
Cadmium, Total	ND	5.34	5.0	94		5.3	97		75-125	6		20
Calcium, Total	3100	1050	3200	10	Q	3900	75		75-125	20		20
Chromium, Total	14.	20.9	34	96		33	89		75-125	3		20
Cobalt, Total	11.	52.3	59	92		62	96		75-125	5		20
Copper, Total	20.	26.2	44	92		43	86		75-125	2		20
Iron, Total	27000	105	25000	0	Q	22000	0	Q	75-125	13		20
Lead, Total	16.	53.4	68	97		68	96		75-125	0		20
Magnesium, Total	3200	1050	3800	57	Q	3600	38	Q	75-125	5		20
Manganese, Total	390	52.3	480	172	Q	450	112		75-125	6		20
Nickel, Total	22.	52.3	68	88		70	90		75-125	3		20
Potassium, Total	920	1050	1800	84		1800	82		75-125	0		20
Selenium, Total	ND	12.6	12	96		12	94		75-125	0		20
Silver, Total	ND	31.4	30	96		32	100		75-125	6		20
Sodium, Total	37.J	1050	1100	105		1100	103		75-125	0		20
Thallium, Total	ND	12.6	11	88		12	94		75-125	9		20
Vanadium, Total	13.	52.3	63	96		65	98		75-125	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678453-3 WG678453-4 QC Sample: L1405635-04 Client ID: MS Sample									
Zinc, Total	66.	52.3	110	84	110	82	75-125	0	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678754-4 QC Sample: L1406335-01 Client ID: D4 SW (3.5')									
Mercury, Total	4.0	0.159	6.0	1260	Q	-	80-120	-	35

Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1406335**Report Date:** 04/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678754-3 QC Sample: L1406335-01 Client ID: D4 SW (3.5')						
Mercury, Total	4.0	3.4	mg/kg	16		35

INORGANICS & MISCELLANEOUS

Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1406335**Report Date:** 04/02/14**SAMPLE RESULTS****Lab ID:** L1406335-01**Client ID:** D4 SW (3.5')**Sample Location:** 520 W. 28TH ST., NYC**Matrix:** Soil**Date Collected:** 03/26/14 09:30**Date Received:** 03/26/14**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	-	03/27/14 02:28	30,2540G	DE



Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1406335**Report Date:** 04/02/14**SAMPLE RESULTS****Lab ID:** L1406335-02**Client ID:** D5-SW (4.5')**Sample Location:** 520 W. 28TH ST., NYC**Matrix:** Soil**Date Collected:** 03/26/14 09:20**Date Received:** 03/26/14**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	87.2		%	0.100	NA	1	-	03/27/14 02:28	30,2540G	DE



Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1406335**Report Date:** 04/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678247-1 QC Sample: L1406310-01 Client ID: DUP Sample						
Solids, Total	74.3	72.8	%	2		20

Project Name: 520 W. 28TH ST.

Project Number: E040

Lab Number: L1406335

Report Date: 04/02/14

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 03/27/2014 02:30

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406335-01A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1406335-01B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1406335-01C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1406335-01D	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1406335-01E	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1406335-01X	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1406335-01Y	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1406335-01Z	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1406335-02A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1406335-02B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1406335-02C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1406335-02D	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1406335-02E	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days

Project Name: 520 W. 28TH ST.**Project Number:** E040**Lab Number:** L1406335**Report Date:** 04/02/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406335-02X	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1406335-02Y	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1406335-02Z	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1406335-03A	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1406335-03B	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14

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: 520 W. 28TH ST.**Lab Number:** L1406335**Project Number:** E040**Report Date:** 04/02/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 520 W. 28TH ST.
Project Number: E040

Lab Number: L1406335
Report Date: 04/02/14

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, SM4500CI-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

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

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

Project Information

Project Name: 520 IN 28th ST.

Project Location: 520 W 28TH ST., NYC

Project #: FO 40

Project Manager: ALANA CARROLL

ALPHA Quote #:

Turn-Around Time

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

Date Due: 10/2/11 Time:

Date Rec'd in Lab: 3/26/14

Report Information - Data Deliverables

☐ FAX

□ EMAIL

☒ ADEx

☒ Add'l Deliverables

ALPHA Job #:

L1406335

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

	<i>Criteria</i>

Client Information

Client: Integral Consulting Inc.

Address: 61 BROADWAY, SUITE 160
NY, NY

Phone: 212-440-6715

Fax:

SMCTAUEV@INTEL.COM

Email: A.CARRILL@

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

[illegible]

Container Type	F/V	A	~~A~~

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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:	L1406264
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 W28TH ST.
Project Number:	E040
Report Date:	04/01/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 W28TH ST.
Project Number: E040

Lab Number: L1406264
Report Date: 04/01/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1406264-01	D3-SW (8.5')	520 W28TH ST., NYC	03/25/14 09:20
L1406264-02	D6-SW (2.5')	520 W28TH ST., NYC	03/25/14 13:30
L1406264-03	TRIP BLANK	520 W28TH ST., NYC	03/25/14 00:00

Project Name: 520 W28TH ST.
Project Number: E040

Lab Number: L1406264
Report Date: 04/01/14

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: 520 W28TH ST.
Project Number: E040

Lab Number: L1406264
Report Date: 04/01/14

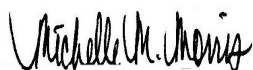
Case Narrative (continued)

Report Submission

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

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 04/01/14

ORGANICS

VOLATILES

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
Client ID: D3-SW (8.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/30/14 16:24
Analyst: BN
Percent Solids: 81%

Date Collected: 03/25/14 09:20
Date Received: 03/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	0.79	J	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	0.51	1
Bromoform	ND		ug/kg	4.5	0.46	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	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	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	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
 Client ID: D3-SW (8.5')
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 09:20
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	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	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	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	0.27	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	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	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	0.88	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.47	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.6	0.86	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	0.88	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.64	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: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
 Client ID: D3-SW (8.5')
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 09:20
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.14	1
Ethyl ether	ND		ug/kg	5.6	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02
Client ID: D6-SW (2.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/31/14 12:54
Analyst: BN
Percent Solids: 77%

Date Collected: 03/25/14 13:30
Date Received: 03/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.6	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
1,1-Dichloropropene	ND		ug/kg	8.1	0.74	1
Bromoform	ND		ug/kg	6.4	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Bromomethane	ND		ug/kg	3.2	0.54	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02
 Client ID: D6-SW (2.5')
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 13:30
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	ND		ug/kg	3.2	0.52	1
o-Xylene	ND		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	ND		ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.57	1
Vinyl acetate	ND		ug/kg	16	0.77	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.39	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.1	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.4	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.1	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.51	1
Bromobenzene	ND		ug/kg	8.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.1	0.90	1
o-Chlorotoluene	ND		ug/kg	8.1	0.26	1
p-Chlorotoluene	ND		ug/kg	8.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.68	1
Isopropylbenzene	ND		ug/kg	1.6	0.27	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.1	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.1	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.1	0.92	1
1,4-Dioxane	ND		ug/kg	160	28.	1
1,4-Diethylbenzene	ND		ug/kg	6.4	0.26	1
4-Ethyltoluene	ND		ug/kg	6.4	0.19	1

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02
 Client ID: D6-SW (2.5')
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 13:30
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.4	0.21	1
Ethyl ether	ND		ug/kg	8.1	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-03
Client ID: TRIP BLANK
Sample Location: 520 W28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/01/14 14:30
Analyst: MM

Date Collected: 03/25/14 00:00
Date Received: 03/25/14
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: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-03
 Client ID: TRIP BLANK
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 00:00
 Date Received: 03/25/14
 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	ND		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
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-03
 Client ID: TRIP BLANK
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 00:00
 Date Received: 03/25/14
 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	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	122		70-130

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/14 10:42
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG679049-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.33	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.53	J	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

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/14 10:42
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG679049-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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



Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/14 10:42
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG679049-3					
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 03/30/14 10:42

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG679049-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	86		70-130

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/14 08:58
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG679100-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.35	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.58	J	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

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/14 08:58
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG679100-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
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

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/14 08:58
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG679100-3					
Acrylonitrile	ND		ug/kg	10	0.24
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

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8260C**Analytical Date:** 03/31/14 08:58**Analyst:** BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG679100-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	88		70-130

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/14 13:57
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG679431-3					
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: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/14 13:57
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG679431-3					
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: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/14 13:57
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG679431-3					
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	109		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	118		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG679049-1 WG679049-2								
Methylene chloride	92		90		70-130	2		30
1,1-Dichloroethane	99		99		70-130	0		30
Chloroform	99		97		70-130	2		30
Carbon tetrachloride	88		92		70-130	4		30
1,2-Dichloropropane	102		98		70-130	4		30
Dibromochloromethane	87		83		70-130	5		30
2-Chloroethylvinyl ether	95		88		70-130	8		30
1,1,2-Trichloroethane	99		95		70-130	4		30
Tetrachloroethene	97		98		70-130	1		30
Chlorobenzene	97		95		70-130	2		30
Trichlorofluoromethane	79		80		70-139	1		30
1,2-Dichloroethane	100		98		70-130	2		30
1,1,1-Trichloroethane	99		102		70-130	3		30
Bromodichloromethane	89		88		70-130	1		30
trans-1,3-Dichloropropene	94		88		70-130	7		30
cis-1,3-Dichloropropene	93		91		70-130	2		30
1,1-Dichloropropene	98		102		70-130	4		30
Bromoform	81		75		70-130	8		30
1,1,2,2-Tetrachloroethane	100		92		70-130	8		30
Benzene	98		98		70-130	0		30
Toluene	92		91		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG679049-1 WG679049-2								
Ethylbenzene	97		97		70-130	0		30
Chloromethane	97		100		52-130	3		30
Bromomethane	96		88		57-147	9		30
Vinyl chloride	98		102		67-130	4		30
Chloroethane	98		90		50-151	9		30
1,1-Dichloroethene	96		100		65-135	4		30
trans-1,2-Dichloroethene	95		97		70-130	2		30
Trichloroethene	97		99		70-130	2		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	99		96		70-130	3		30
Methyl tert butyl ether	98		94		66-130	4		30
p/m-Xylene	96		96		70-130	0		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	100		94		70-130	6		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	94		100		30-146	6		30
Acetone	103		91		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	92		85		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG679049-1 WG679049-2								
Vinyl acetate	102		96		70-130	6		30
4-Methyl-2-pentanone	87		81		70-130	7		30
1,2,3-Trichloropropane	98		91		68-130	7		30
2-Hexanone	90		82		70-130	9		30
Bromochloromethane	99		96		70-130	3		30
2,2-Dichloropropane	103		105		70-130	2		30
1,2-Dibromoethane	99		93		70-130	6		30
1,3-Dichloropropane	100		95		69-130	5		30
1,1,1,2-Tetrachloroethane	92		89		70-130	3		30
Bromobenzene	96		93		70-130	3		30
n-Butylbenzene	100		101		70-130	1		30
sec-Butylbenzene	98		100		70-130	2		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	98		97		70-130	1		30
p-Chlorotoluene	100		98		70-130	2		30
1,2-Dibromo-3-chloropropane	87		80		68-130	8		30
Hexachlorobutadiene	96		98		67-130	2		30
Isopropylbenzene	96		97		70-130	1		30
p-Isopropyltoluene	97		98		70-130	1		30
Naphthalene	96		89		70-130	8		30
Acrylonitrile	103		94		70-130	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG679049-1 WG679049-2								
Isopropyl Ether	100		97		66-130	3		30
tert-Butyl Alcohol	97		87		70-130	11		30
n-Propylbenzene	96		97		70-130	1		30
1,2,3-Trichlorobenzene	99		93		70-130	6		30
1,2,4-Trichlorobenzene	100		97		70-130	3		30
1,3,5-Trimethylbenzene	97		96		70-130	1		30
1,2,4-Trimethylbenzene	97		95		70-130	2		30
Methyl Acetate	98		90		51-146	9		30
Ethyl Acetate	98		91		70-130	7		30
Acrolein	96		91		70-130	5		30
Cyclohexane	98		104		59-142	6		30
1,4-Dioxane	107		93		65-136	14		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	93		98		50-139	5		30
1,4-Diethylbenzene	97		97		70-130	0		30
4-Ethyltoluene	97		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	90		87		70-130	3		30
Tetrahydrofuran	102		92		66-130	10		30
Ethyl ether	96		91		67-130	5		30
trans-1,4-Dichloro-2-butene	94		88		70-130	7		30
Methyl cyclohexane	95		101		70-130	6		30
Ethyl-Tert-Butyl-Ether	99		96		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG679049-1 WG679049-2								
Tertiary-Amyl Methyl Ether	99		96		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	99		101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG679100-1 WG679100-2								
Methylene chloride	91		86		70-130	6		30
1,1-Dichloroethane	98		91		70-130	7		30
Chloroform	98		92		70-130	6		30
Carbon tetrachloride	86		76		70-130	12		30
1,2-Dichloropropane	99		94		70-130	5		30
Dibromochloromethane	83		82		70-130	1		30
2-Chloroethylvinyl ether	88		88		70-130	0		30
1,1,2-Trichloroethane	97		96		70-130	1		30
Tetrachloroethene	93		84		70-130	10		30
Chlorobenzene	95		90		70-130	5		30
Trichlorofluoromethane	83		63	Q	70-139	27		30
1,2-Dichloroethane	99		96		70-130	3		30
1,1,1-Trichloroethane	97		86		70-130	12		30
Bromodichloromethane	88		84		70-130	5		30
trans-1,3-Dichloropropene	89		87		70-130	2		30
cis-1,3-Dichloropropene	90		86		70-130	5		30
1,1-Dichloropropene	97		86		70-130	12		30
Bromoform	76		74		70-130	3		30
1,1,2,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	96		90		70-130	6		30
Toluene	90		84		70-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG679100-1 WG679100-2								
Ethylbenzene	94		86		70-130	9		30
Chloromethane	96		87		52-130	10		30
Bromomethane	95		82		57-147	15		30
Vinyl chloride	97		82		67-130	17		30
Chloroethane	103		79		50-151	26		30
1,1-Dichloroethene	94		81		65-135	15		30
trans-1,2-Dichloroethene	93		85		70-130	9		30
Trichloroethene	95		88		70-130	8		30
1,2-Dichlorobenzene	95		92		70-130	3		30
1,3-Dichlorobenzene	96		92		70-130	4		30
1,4-Dichlorobenzene	96		92		70-130	4		30
Methyl tert butyl ether	94		93		66-130	1		30
p/m-Xylene	93		85		70-130	9		30
o-Xylene	94		88		70-130	7		30
cis-1,2-Dichloroethene	96		90		70-130	6		30
Dibromomethane	96		95		70-130	1		30
Styrene	93		88		70-130	6		30
Dichlorodifluoromethane	90		76		30-146	17		30
Acetone	93		98		54-140	5		30
Carbon disulfide	88		77		59-130	13		30
2-Butanone	84		87		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG679100-1 WG679100-2								
Vinyl acetate	98		96		70-130	2		30
4-Methyl-2-pentanone	81		81		70-130	0		30
1,2,3-Trichloropropane	92		94		68-130	2		30
2-Hexanone	82		83		70-130	1		30
Bromochloromethane	99		96		70-130	3		30
2,2-Dichloropropane	102		92		70-130	10		30
1,2-Dibromoethane	95		93		70-130	2		30
1,3-Dichloropropane	97		97		69-130	0		30
1,1,1,2-Tetrachloroethane	89		86		70-130	3		30
Bromobenzene	93		90		70-130	3		30
n-Butylbenzene	97		88		70-130	10		30
sec-Butylbenzene	95		86		70-130	10		30
tert-Butylbenzene	94		86		70-130	9		30
o-Chlorotoluene	95		90		70-130	5		30
p-Chlorotoluene	97		92		70-130	5		30
1,2-Dibromo-3-chloropropane	83		83		68-130	0		30
Hexachlorobutadiene	93		85		67-130	9		30
Isopropylbenzene	93		85		70-130	9		30
p-Isopropyltoluene	94		85		70-130	10		30
Naphthalene	90		90		70-130	0		30
Acrylonitrile	100		96		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG679100-1 WG679100-2								
Isopropyl Ether	99		95		66-130	4		30
tert-Butyl Alcohol	89		91		70-130	2		30
n-Propylbenzene	94		86		70-130	9		30
1,2,3-Trichlorobenzene	95		94		70-130	1		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		89		70-130	5		30
Methyl Acetate	97		96		51-146	1		30
Ethyl Acetate	92		94		70-130	2		30
Acrolein	92		93		70-130	1		30
Cyclohexane	96		82		59-142	16		30
1,4-Dioxane	97		99		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	92		79		50-139	15		30
1,4-Diethylbenzene	94		86		70-130	9		30
4-Ethyltoluene	94		87		70-130	8		30
1,2,4,5-Tetramethylbenzene	87		83		70-130	5		30
Tetrahydrofuran	98		97		66-130	1		30
Ethyl ether	91		91		67-130	0		30
trans-1,4-Dichloro-2-butene	90		91		70-130	1		30
Methyl cyclohexane	93		78		70-130	18		30
Ethyl-Tert-Butyl-Ether	97		94		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG679100-1 WG679100-2								
Tertiary-Amyl Methyl Ether	96		94		70-130	2		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679431-1 WG679431-2								
Methylene chloride	101		117		70-130	15		20
1,1-Dichloroethane	101		103		70-130	2		20
Chloroform	105		103		70-130	2		20
Carbon tetrachloride	105		104		63-132	1		20
1,2-Dichloropropane	94		98		70-130	4		20
Dibromochloromethane	86		93		63-130	8		20
1,1,2-Trichloroethane	82		92		70-130	11		20
Tetrachloroethene	91		91		70-130	0		20
Chlorobenzene	93		97		75-130	4		20
Trichlorofluoromethane	114		110		62-150	4		20
1,2-Dichloroethane	106		106		70-130	0		20
1,1,1-Trichloroethane	112		107		67-130	5		20
Bromodichloromethane	100		103		67-130	3		20
trans-1,3-Dichloropropene	85		90		70-130	6		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	104		102		70-130	2		20
Bromoform	74		92		54-136	22	Q	20
1,1,2,2-Tetrachloroethane	85		99		67-130	15		20
Benzene	95		96		70-130	1		20
Toluene	88		92		70-130	4		20
Ethylbenzene	92		98		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679431-1 WG679431-2								
Chloromethane	110		106		64-130	4		20
Bromomethane	135		132		39-139	2		20
Vinyl chloride	106		102		55-140	4		20
Chloroethane	134		124		55-138	8		20
1,1-Dichloroethene	108		111		61-145	3		20
trans-1,2-Dichloroethene	110		108		70-130	2		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	86		94		70-130	9		20
1,3-Dichlorobenzene	91		100		70-130	9		20
1,4-Dichlorobenzene	90		99		70-130	10		20
Methyl tert butyl ether	101		107		63-130	6		20
p/m-Xylene	94		99		70-130	5		20
o-Xylene	94		100		70-130	6		20
cis-1,2-Dichloroethene	103		100		70-130	3		20
Dibromomethane	102		107		70-130	5		20
1,2,3-Trichloropropane	86		98		64-130	13		20
Acrylonitrile	102		111		70-130	8		20
Styrene	106		104		70-130	2		20
Dichlorodifluoromethane	113		110		36-147	3		20
Acetone	114		132		58-148	15		20
Carbon disulfide	112		111		51-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679431-1 WG679431-2								
2-Butanone	96		106		63-138	10		20
Vinyl acetate	95		98		70-130	3		20
4-Methyl-2-pentanone	95		97		59-130	2		20
2-Hexanone	89		96		57-130	8		20
Bromochloromethane	105		107		70-130	2		20
2,2-Dichloropropane	102		106		63-133	4		20
1,2-Dibromoethane	84		93		70-130	10		20
1,3-Dichloropropane	88		90		70-130	2		20
1,1,1,2-Tetrachloroethane	86		87		64-130	1		20
Bromobenzene	90		97		70-130	7		20
n-Butylbenzene	91		97		53-136	6		20
sec-Butylbenzene	96		97		70-130	1		20
tert-Butylbenzene	92		100		70-130	8		20
o-Chlorotoluene	92		101		70-130	9		20
p-Chlorotoluene	94		99		70-130	5		20
1,2-Dibromo-3-chloropropane	103		98		41-144	5		20
Hexachlorobutadiene	99		108		63-130	9		20
Isopropylbenzene	92		99		70-130	7		20
p-Isopropyltoluene	95		99		70-130	4		20
Naphthalene	84		99		70-130	16		20
n-Propylbenzene	93		99		69-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG679431-1 WG679431-2								
1,2,3-Trichlorobenzene	88		100		70-130	13		20
1,2,4-Trichlorobenzene	92		101		70-130	9		20
1,3,5-Trimethylbenzene	94		98		64-130	4		20
1,2,4-Trimethylbenzene	92		99		70-130	7		20
1,4-Dioxane	93		96		56-162	3		20
p-Diethylbenzene	95		97		70-130	2		20
p-Ethyltoluene	93		100		70-130	7		20
1,2,4,5-Tetramethylbenzene	90		97		70-130	7		20
Ethyl ether	102		108		59-134	6		20
trans-1,4-Dichloro-2-butene	86		100		70-130	15		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		105		70-130
Toluene-d8	94		92		70-130
4-Bromofluorobenzene	95		98		70-130
Dibromofluoromethane	107		104		70-130

SEMIVOLATILES

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
Client ID: D3-SW (8.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/29/14 16:47
Analyst: JB
Percent Solids: 81%

Date Collected: 03/25/14 09:20
Date Received: 03/25/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
 Client ID: D3-SW (8.5')
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 09:20
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
 Client ID: D3-SW (8.5')
 Sample Location: 520 W28TH ST., NYC

Date Collected: 03/25/14 09:20
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	75		18-120

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02 D2
Client ID: D6-SW (2.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/31/14 14:59
Analyst: JB
Percent Solids: 77%

Date Collected: 03/25/14 13:30
Date Received: 03/25/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	82000		ug/kg	1300	390	10
Benzo(a)anthracene	33000		ug/kg	1300	420	10
Benzo(a)pyrene	33000		ug/kg	1700	520	10
Benzo(b)fluoranthene	24000		ug/kg	1300	430	10
Chrysene	38000		ug/kg	1300	420	10
Anthracene	18000		ug/kg	1300	350	10
Phenanthrene	76000		ug/kg	1300	420	10
Indeno(1,2,3-cd)Pyrene	17000		ug/kg	1700	470	10
Pyrene	70000		ug/kg	1300	410	10

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02 D
Client ID: D6-SW (2.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/29/14 17:13
Analyst: JB
Percent Solids: 77%

Date Collected: 03/25/14 13:30
Date Received: 03/25/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	7700		ug/kg	340	88.	2
1,2,4-Trichlorobenzene	ND		ug/kg	420	140	2
Hexachlorobenzene	ND		ug/kg	260	79.	2
Bis(2-chloroethyl)ether	ND		ug/kg	380	120	2
2-Chloronaphthalene	ND		ug/kg	420	140	2
1,2-Dichlorobenzene	ND		ug/kg	420	140	2
1,3-Dichlorobenzene	ND		ug/kg	420	130	2
1,4-Dichlorobenzene	ND		ug/kg	420	130	2
3,3'-Dichlorobenzidine	ND		ug/kg	420	110	2
2,4-Dinitrotoluene	ND		ug/kg	420	92.	2
2,6-Dinitrotoluene	ND		ug/kg	420	110	2
Fluoranthene	58000	E	ug/kg	260	78.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	420	130	2
4-Bromophenyl phenyl ether	ND		ug/kg	420	98.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	510	150	2
Bis(2-chloroethoxy)methane	ND		ug/kg	460	130	2
Hexachlorobutadiene	ND		ug/kg	420	120	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	270	2
Hexachloroethane	ND		ug/kg	340	77.	2
Isophorone	ND		ug/kg	380	110	2
Naphthalene	3900		ug/kg	420	140	2
Nitrobenzene	ND		ug/kg	380	100	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	340	89.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	420	130	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	420	110	2
Butyl benzyl phthalate	ND		ug/kg	420	83.	2
Di-n-butylphthalate	ND		ug/kg	420	82.	2
Di-n-octylphthalate	ND		ug/kg	420	100	2
Diethyl phthalate	ND		ug/kg	420	90.	2
Dimethyl phthalate	ND		ug/kg	420	110	2
Benzo(a)anthracene	31000	E	ug/kg	260	83.	2

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02 D

Date Collected: 03/25/14 13:30

Client ID: D6-SW (2.5')

Date Received: 03/25/14

Sample Location: 520 W28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	28000	E	ug/kg	340	100	2
Benzo(b)fluoranthene	41000	E	ug/kg	260	86.	2
Benzo(k)fluoranthene	9800		ug/kg	260	81.	2
Chrysene	32000	E	ug/kg	260	84.	2
Acenaphthylene	1900		ug/kg	340	80.	2
Anthracene	17000	E	ug/kg	260	71.	2
Benzo(ghi)perylene	16000		ug/kg	340	88.	2
Fluorene	8200		ug/kg	420	120	2
Phenanthrene	53000	E	ug/kg	260	83.	2
Dibenzo(a,h)anthracene	4000		ug/kg	260	82.	2
Indeno(1,2,3-cd)Pyrene	19000	E	ug/kg	340	94.	2
Pyrene	50000	E	ug/kg	260	83.	2
Biphenyl	650	J	ug/kg	970	140	2
4-Chloroaniline	ND		ug/kg	420	110	2
2-Nitroaniline	ND		ug/kg	420	120	2
3-Nitroaniline	ND		ug/kg	420	120	2
4-Nitroaniline	ND		ug/kg	420	110	2
Dibenzofuran	5800		ug/kg	420	140	2
2-Methylnaphthalene	2400		ug/kg	510	140	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	420	130	2
Acetophenone	ND		ug/kg	420	130	2
2,4,6-Trichlorophenol	ND		ug/kg	260	80.	2
P-Chloro-M-Cresol	ND		ug/kg	420	120	2
2-Chlorophenol	ND		ug/kg	420	130	2
2,4-Dichlorophenol	ND		ug/kg	380	140	2
2,4-Dimethylphenol	ND		ug/kg	420	130	2
2-Nitrophenol	ND		ug/kg	920	130	2
4-Nitrophenol	ND		ug/kg	600	140	2
2,4-Dinitrophenol	ND		ug/kg	2000	580	2
4,6-Dinitro-o-cresol	ND		ug/kg	1100	160	2
Pentachlorophenol	ND		ug/kg	340	91.	2
Phenol	140	J	ug/kg	420	120	2
2-Methylphenol	ND		ug/kg	420	140	2
3-Methylphenol/4-Methylphenol	340	J	ug/kg	610	140	2
2,4,5-Trichlorophenol	ND		ug/kg	420	140	2
Benzoic Acid	ND		ug/kg	1400	430	2
Benzyl Alcohol	ND		ug/kg	420	130	2
Carbazole	9100		ug/kg	420	91.	2

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02 D

Date Collected: 03/25/14 13:30

Client ID: D6-SW (2.5')

Date Received: 03/25/14

Sample Location: 520 W28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	69		18-120

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/28/14 19:11
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG678534-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/28/14 19:11
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG678534-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/28/14 19:11
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 02:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG678534-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	99		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
Acenaphthene	89		94		31-137	5		50
1,2,4-Trichlorobenzene	74		79		38-107	7		50
Hexachlorobenzene	96		100		40-140	4		50
Bis(2-chloroethyl)ether	68		70		40-140	3		50
2-Chloronaphthalene	82		83		40-140	1		50
1,2-Dichlorobenzene	74		77		40-140	4		50
1,3-Dichlorobenzene	71		74		40-140	4		50
1,4-Dichlorobenzene	72		75		28-104	4		50
3,3'-Dichlorobenzidine	53		55		40-140	4		50
2,4-Dinitrotoluene	101	Q	104	Q	28-89	3		50
2,6-Dinitrotoluene	96		94		40-140	2		50
Fluoranthene	100		101		40-140	1		50
4-Chlorophenyl phenyl ether	94		98		40-140	4		50
4-Bromophenyl phenyl ether	96		101		40-140	5		50
Bis(2-chloroisopropyl)ether	75		76		40-140	1		50
Bis(2-chloroethoxy)methane	78		78		40-117	0		50
Hexachlorobutadiene	76		82		40-140	8		50
Hexachlorocyclopentadiene	79		84		40-140	6		50
Hexachloroethane	70		72		40-140	3		50
Isophorone	79		79		40-140	0		50
Naphthalene	77		80		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
Nitrobenzene	79		84		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	98		102			4		50
n-Nitrosodi-n-propylamine	76		76		32-121	0		50
Bis(2-ethylhexyl)phthalate	102		107		40-140	5		50
Butyl benzyl phthalate	101		107		40-140	6		50
Di-n-butylphthalate	101		105		40-140	4		50
Di-n-octylphthalate	103		108		40-140	5		50
Diethyl phthalate	97		102		40-140	5		50
Dimethyl phthalate	96		102		40-140	6		50
Benzo(a)anthracene	101		105		40-140	4		50
Benzo(a)pyrene	103		108		40-140	5		50
Benzo(b)fluoranthene	98		101		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	91		97		40-140	6		50
Acenaphthylene	91		92		40-140	1		50
Anthracene	104		107		40-140	3		50
Benzo(ghi)perylene	100		106		40-140	6		50
Fluorene	96		101		40-140	5		50
Phenanthrene	101		104		40-140	3		50
Dibenzo(a,h)anthracene	103		107		40-140	4		50
Indeno(1,2,3-cd)pyrene	101		107		40-140	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
Pyrene	98		101		35-142	3		50
Biphenyl	85		92			8		50
4-Chloroaniline	80		84		40-140	5		50
2-Nitroaniline	92		93		47-134	1		50
3-Nitroaniline	58		57		26-129	2		50
4-Nitroaniline	84		96		41-125	13		50
Dibenzofuran	92		96		40-140	4		50
2-Methylnaphthalene	82		83		40-140	1		50
1,2,4,5-Tetrachlorobenzene	80		87		40-117	8		50
Acetophenone	80		82		14-144	2		50
2,4,6-Trichlorophenol	90		92		30-130	2		50
P-Chloro-M-Cresol	98		99		26-103	1		50
2-Chlorophenol	77		76		25-102	1		50
2,4-Dichlorophenol	90		94		30-130	4		50
2,4-Dimethylphenol	87		88		30-130	1		50
2-Nitrophenol	74		74		30-130	0		50
4-Nitrophenol	93		98		11-114	5		50
2,4-Dinitrophenol	50		58		4-130	15		50
4,6-Dinitro-o-cresol	63		64		10-130	2		50
Pentachlorophenol	78		80		17-109	3		50
Phenol	77		75		26-90	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG678534-2 WG678534-3								
2-Methylphenol	84		86		30-130.	2		50
3-Methylphenol/4-Methylphenol	76		76		30-130	0		50
2,4,5-Trichlorophenol	93		95		30-130	2		50
Benzoic Acid	38		37			3		50
Benzyl Alcohol	80		81		40-140	1		50
Carbazole	100		103		54-128	3		50
Benzaldehyde	83		85			2		50
Caprolactam	96		98			2		50
Atrazine	107		112			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		80		25-120
Phenol-d6	78		77		10-120
Nitrobenzene-d5	78		76		23-120
2-Fluorobiphenyl	85		88		30-120
2,4,6-Tribromophenol	99		104		0-136
4-Terphenyl-d14	98		101		18-120

PCBS

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
Client ID: D3-SW (8.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/29/14 18:24
Analyst: JW
Percent Solids: 81%

Date Collected: 03/25/14 09:20
Date Received: 03/25/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 20:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/29/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.2	3.18	1	A
Aroclor 1221	ND		ug/kg	40.2	3.70	1	A
Aroclor 1232	ND		ug/kg	40.2	4.71	1	A
Aroclor 1242	ND		ug/kg	40.2	4.92	1	A
Aroclor 1248	ND		ug/kg	40.2	3.39	1	A
Aroclor 1254	ND		ug/kg	40.2	3.30	1	A
Aroclor 1260	ND		ug/kg	40.2	3.06	1	A
Aroclor 1262	ND		ug/kg	40.2	1.99	1	A
Aroclor 1268	ND		ug/kg	40.2	5.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02
Client ID: D6-SW (2.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/29/14 18:37
Analyst: JW
Percent Solids: 77%

Date Collected: 03/25/14 13:30
Date Received: 03/25/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 20:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/29/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.29	1	A
Aroclor 1221	ND		ug/kg	41.6	3.84	1	A
Aroclor 1232	ND		ug/kg	41.6	4.88	1	A
Aroclor 1242	14.2	J	ug/kg	41.6	5.09	1	B
Aroclor 1248	ND		ug/kg	41.6	3.51	1	A
Aroclor 1254	41.0	J	ug/kg	41.6	3.42	1	B
Aroclor 1260	25.4	J	ug/kg	41.6	3.17	1	B
Aroclor 1262	ND		ug/kg	41.6	2.06	1	A
Aroclor 1268	ND		ug/kg	41.6	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 03/29/14 19:44
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 20:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/29/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG678794-1						
Aroclor 1016	ND		ug/kg	32.8	2.59	A
Aroclor 1221	ND		ug/kg	32.8	3.02	A
Aroclor 1232	ND		ug/kg	32.8	3.84	A
Aroclor 1242	ND		ug/kg	32.8	4.02	A
Aroclor 1248	ND		ug/kg	32.8	2.77	A
Aroclor 1254	ND		ug/kg	32.8	2.70	A
Aroclor 1260	ND		ug/kg	32.8	2.50	A
Aroclor 1262	ND		ug/kg	32.8	1.63	A
Aroclor 1268	ND		ug/kg	32.8	4.76	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	92		30-150	B
Decachlorobiphenyl	70		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG678794-2 WG678794-3									
Aroclor 1016	89		96		40-140	8		50	A
Aroclor 1260	84		91		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		97		30-150	A
Decachlorobiphenyl	87		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		91		30-150	B
Decachlorobiphenyl	103		101		30-150	B

PESTICIDES

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-01
Client ID: D3-SW (8.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/30/14 04:18
Analyst: SH
Percent Solids: 81%

Date Collected: 03/25/14 09:20
Date Received: 03/25/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 05:44
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.96	0.383	1	A
Lindane	ND		ug/kg	0.816	0.364	1	A
Alpha-BHC	ND		ug/kg	0.816	0.232	1	A
Beta-BHC	ND		ug/kg	1.96	0.742	1	A
Heptachlor	ND		ug/kg	0.979	0.439	1	A
Aldrin	ND		ug/kg	1.96	0.689	1	A
Heptachlor epoxide	ND		ug/kg	3.67	1.10	1	A
Endrin	ND		ug/kg	0.816	0.334	1	A
Dieldrin	ND		ug/kg	1.22	0.612	1	A
4,4'-DDE	ND		ug/kg	1.96	0.453	1	A
4,4'-DDD	ND		ug/kg	1.96	0.698	1	A
4,4'-DDT	ND		ug/kg	3.67	1.57	1	A
Endosulfan I	ND		ug/kg	1.96	0.462	1	A
Endosulfan II	ND		ug/kg	1.96	0.654	1	A
Endosulfan sulfate	ND		ug/kg	0.816	0.388	1	A
Methoxychlor	ND		ug/kg	3.67	1.14	1	A
cis-Chlordane	ND		ug/kg	2.45	0.682	1	A
trans-Chlordane	ND		ug/kg	2.45	0.646	1	A
Chlordane	ND		ug/kg	15.9	6.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**SAMPLE RESULTS**

Lab ID: L1406264-02
Client ID: D6-SW (2.5')
Sample Location: 520 W28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/30/14 04:31
Analyst: SH
Percent Solids: 77%

Date Collected: 03/25/14 13:30
Date Received: 03/25/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/28/14 05:44
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.392	1	A
Lindane	ND		ug/kg	0.835	0.373	1	A
Alpha-BHC	ND		ug/kg	0.835	0.237	1	A
Beta-BHC	ND		ug/kg	2.00	0.760	1	A
Heptachlor	ND		ug/kg	1.00	0.449	1	A
Aldrin	ND		ug/kg	2.00	0.705	1	A
Heptachlor epoxide	ND		ug/kg	3.76	1.13	1	A
Endrin	ND		ug/kg	0.835	0.342	1	A
Dieldrin	ND		ug/kg	1.25	0.626	1	A
4,4'-DDE	ND		ug/kg	2.00	0.463	1	A
4,4'-DDD	ND		ug/kg	2.00	0.714	1	A
4,4'-DDT	ND		ug/kg	3.76	1.61	1	A
Endosulfan I	ND		ug/kg	2.00	0.473	1	A
Endosulfan II	ND		ug/kg	2.00	0.669	1	A
Endosulfan sulfate	ND		ug/kg	0.835	0.397	1	A
Methoxychlor	ND		ug/kg	3.76	1.17	1	A
cis-Chlordane	ND		ug/kg	2.50	0.698	1	A
trans-Chlordane	ND		ug/kg	2.50	0.661	1	A
Chlordane	ND		ug/kg	16.3	6.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	228	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	1230	Q	30-150	B

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 03/30/14 04:04
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 03/28/14 05:44
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG678559-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.600	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.557	A
Heptachlor epoxide	ND		ug/kg	2.97	0.890	A
Endrin	ND		ug/kg	0.660	0.270	A
Dieldrin	ND		ug/kg	0.989	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.923	A
cis-Chlordane	ND		ug/kg	1.98	0.551	A
trans-Chlordane	ND		ug/kg	1.98	0.522	A
Chlordane	ND		ug/kg	12.9	5.24	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	76		30-150	A
Decachlorobiphenyl	120		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG678559-2 WG678559-3									
Delta-BHC	78		72		30-150	8		30	A
Lindane	76		70		30-150	8		30	A
Alpha-BHC	80		73		30-150	9		30	A
Beta-BHC	72		66		30-150	9		30	A
Heptachlor	84		77		30-150	9		30	A
Aldrin	87		79		30-150	10		30	A
Heptachlor epoxide	84		76		30-150	10		30	A
Endrin	95		89		30-150	7		30	A
Endrin ketone	97		92		30-150	5		30	A
Dieldrin	93		87		30-150	7		30	A
4,4'-DDE	91		85		30-150	7		30	A
4,4'-DDD	91		85		30-150	7		30	A
4,4'-DDT	103		98		30-150	5		30	A
Endosulfan I	88		82		30-150	7		30	A
Endosulfan II	92		86		30-150	7		30	A
Endosulfan sulfate	95		94		30-150	1		30	A
Methoxychlor	98		92		30-150	6		30	A
cis-Chlordane	89		83		30-150	7		30	A
trans-Chlordane	86		80		30-150	7		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG678559-2 WG678559-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		69		30-150	A
Decachlorobiphenyl	109		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		57		30-150	B
Decachlorobiphenyl	116		110		30-150	B

METALS

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

SAMPLE RESULTS

Lab ID: L1406264-01
 Client ID: D3-SW (8.5')
 Sample Location: 520 W28TH ST., NYC
 Matrix: Soil
 Percent Solids: 81%

Date Collected: 03/25/14 09:20
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7600		mg/kg	4.8	0.97	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	2.4	0.39	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Arsenic, Total	6.5		mg/kg	0.48	0.10	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Barium, Total	24		mg/kg	0.48	0.14	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Beryllium, Total	0.29		mg/kg	0.24	0.05	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.48	0.03	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Calcium, Total	800		mg/kg	4.8	1.4	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Chromium, Total	10		mg/kg	0.48	0.10	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Cobalt, Total	5.7		mg/kg	0.97	0.24	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Copper, Total	16		mg/kg	0.48	0.10	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	2.4	0.97	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Lead, Total	8.2		mg/kg	2.4	0.10	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Magnesium, Total	2500		mg/kg	4.8	0.48	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Manganese, Total	150		mg/kg	0.48	0.10	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/27/14 08:46	03/28/14 16:26	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	1.2	0.19	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Potassium, Total	530		mg/kg	120	19.	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.97	0.14	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.48	0.10	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Sodium, Total	44	J	mg/kg	97	14.	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	0.97	0.19	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Vanadium, Total	12		mg/kg	0.48	0.05	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG
Zinc, Total	34		mg/kg	2.4	0.34	1	03/27/14 11:00	03/27/14 16:01	EPA 3050B	1,6010C	MG



Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

SAMPLE RESULTS

Lab ID: L1406264-02
 Client ID: D6-SW (2.5')
 Sample Location: 520 W28TH ST., NYC
 Matrix: Soil
 Percent Solids: 77%

Date Collected: 03/25/14 13:30
 Date Received: 03/25/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	4.9	0.98	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Antimony, Total	6.8		mg/kg	2.4	0.39	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Arsenic, Total	32		mg/kg	0.49	0.10	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Barium, Total	1000		mg/kg	0.49	0.15	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Beryllium, Total	0.43		mg/kg	0.24	0.05	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Cadmium, Total	3.6		mg/kg	0.49	0.03	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Calcium, Total	96000		mg/kg	490	150	100	03/27/14 11:00	03/28/14 11:27	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.49	0.10	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Cobalt, Total	3.7		mg/kg	0.98	0.24	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Copper, Total	170		mg/kg	0.49	0.10	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Iron, Total	11000		mg/kg	2.4	0.98	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Lead, Total	1600		mg/kg	2.4	0.10	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Magnesium, Total	2800		mg/kg	4.9	0.49	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Manganese, Total	300		mg/kg	0.49	0.10	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Mercury, Total	2.5		mg/kg	0.09	0.02	1	03/27/14 08:46	03/28/14 16:28	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	1.2	0.20	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Potassium, Total	820		mg/kg	120	20.	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Selenium, Total	2.5		mg/kg	0.98	0.15	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Silver, Total	1.2		mg/kg	0.49	0.10	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Sodium, Total	440		mg/kg	98	15.	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Thallium, Total	0.23	J	mg/kg	0.98	0.20	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.49	0.05	1	03/27/14 11:00	03/27/14 16:18	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	240	34.	100	03/27/14 11:00	03/28/14 11:27	EPA 3050B	1,6010C	MG



Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG678174-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/27/14 08:46	03/28/14 15:39	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG678358-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	03/27/14 11:00	03/27/14 15:27	1,6010C	MG

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG678174-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG678358-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	82	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	94	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	95	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	93	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	95	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	97	-	66-134	-	
Sodium, Total	95	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 W28TH ST.**Project Number:** E040**Lab Number:** L1406264**Report Date:** 04/01/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG678358-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 W28TH ST.

Lab Number: L1406264

Project Number: E040

Report Date: 04/01/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678174-4 QC Sample: L1406131-03 Client ID: MS Sample												
Mercury, Total	ND	0.145	0.16	110		-	-		80-120	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678358-4 QC Sample: L1406359-01 Client ID: MS Sample									
Aluminum, Total	8000	159	7600	0	Q	-	75-125	-	20
Antimony, Total	ND	39.8	38	95	-	-	75-125	-	20
Arsenic, Total	4.0	9.56	13	94	-	-	75-125	-	20
Barium, Total	25.	159	180	97	-	-	75-125	-	20
Beryllium, Total	0.32	3.98	4.1	95	-	-	75-125	-	20
Cadmium, Total	ND	4.06	3.9	96	-	-	75-125	-	20
Calcium, Total	520	797	1200	85	-	-	75-125	-	20
Chromium, Total	15.	15.9	29	88	-	-	75-125	-	20
Cobalt, Total	5.6	39.8	42	91	-	-	75-125	-	20
Copper, Total	15.	19.9	37	110	-	-	75-125	-	20
Iron, Total	11000	79.7	10000	0	Q	-	75-125	-	20
Lead, Total	8.0	40.6	58	123	-	-	75-125	-	20
Magnesium, Total	2600	797	2600	0	Q	-	75-125	-	20
Manganese, Total	240	39.8	270	75	-	-	75-125	-	20
Nickel, Total	12.	39.8	47	88	-	-	75-125	-	20
Potassium, Total	470	797	1200	92	-	-	75-125	-	20
Selenium, Total	ND	9.56	8.6	90	-	-	75-125	-	20
Silver, Total	ND	23.9	22	92	-	-	75-125	-	20
Sodium, Total	52.J	797	830	104	-	-	75-125	-	20
Thallium, Total	ND	9.56	8.2	86	-	-	75-125	-	20
Vanadium, Total	20.	39.8	58	95	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678358-4 QC Sample: L1406359-01 Client ID: MS Sample									
Zinc, Total	53.	39.8	82	73	Q	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678174-3 QC Sample: L1406131-03 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678358-3 QC Sample: L1406359-01 Client ID: DUP Sample						
Arsenic, Total	4.0	3.9	mg/kg	3		20

INORGANICS & MISCELLANEOUS

Project Name: 520 W28TH ST.**Project Number:** E040**Lab Number:** L1406264**Report Date:** 04/01/14**SAMPLE RESULTS****Lab ID:** L1406264-01**Client ID:** D3-SW (8.5')**Sample Location:** 520 W28TH ST., NYC**Matrix:** Soil**Date Collected:** 03/25/14 09:20**Date Received:** 03/25/14**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	81.1		%	0.100	NA	1	-	03/27/14 00:36	30,2540G	TL



Project Name: 520 W28TH ST.**Project Number:** E040**Lab Number:** L1406264**Report Date:** 04/01/14**SAMPLE RESULTS****Lab ID:** L1406264-02**Client ID:** D6-SW (2.5')**Sample Location:** 520 W28TH ST., NYC**Matrix:** Soil**Date Collected:** 03/25/14 13:30**Date Received:** 03/25/14**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	77.4		%	0.100	NA	1	-	03/27/14 00:36	30,2540G	TL



Project Name: 520 W28TH ST.**Project Number:** E040**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1406264**Report Date:** 04/01/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG678222-1 QC Sample: L1406252-02 Client ID: DUP Sample						
Solids, Total	86.4	85.9	%	1		20

Project Name: 520 W28TH ST.

Project Number: E040

Lab Number: L1406264

Report Date: 04/01/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/26/2014 03:32

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406264-01A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1406264-01B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1406264-01C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1406264-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1406264-01E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1406264-01X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1406264-01Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1406264-01Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1406264-02A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1406264-02B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1406264-02C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1406264-02D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1406264-02E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



Project Name: 520 W28TH ST.**Project Number:** E040**Lab Number:** L1406264**Report Date:** 04/01/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406264-02X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1406264-02Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1406264-02Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1406264-03A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1406264-03B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)

Container Comments

L1406264-01E

L1406264-02E

*Values in parentheses indicate holding time in days

Project Name: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14

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: 520 W28TH ST.**Lab Number:** L1406264**Project Number:** E040**Report Date:** 04/01/14**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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 W28TH ST.
Project Number: E040

Lab Number: L1406264
Report Date: 04/01/14

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, SM4500CI-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

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

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

Project Information

Project Name: 520 W 28TH ST.
Project Location: 520 W 28TH ST., NYC

Project #:	E040
Project Manager:	ALANA CARROLL
ALPHA Quote #:	

Turn-Around Time

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

Date Due: 11/1/00 Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

ALPHA Job #:

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Client Information

Client: Integral Consulting, Inc.

Address: 61 BROADWAY SUITE 1601
NY, NY

Phone: 212-440-6715

Fax:

Email: ~~SMCTAUBV@INTEGRAL-CORP.COM~~
ACARROLL @ " " 7

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

[illegible]

Container Type

Preservative

~~Relinquished By:~~

Date/Time

Received By:

Date/Time

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.

Excavation Endpoint Sampling Reports



ANALYTICAL REPORT

Lab Number:	L1419272
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	08/29/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1419272-01	A2-EP-EL-7	SOIL	520 W 28TH ST., NYC	08/22/14 11:15	08/22/14
L1419272-02	TRIP BLANK 8-22-14	WATER	520 W 28TH ST., NYC	08/22/14 00:00	08/22/14

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

Case Narrative (continued)

Report Submission

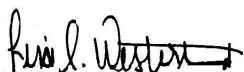
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

L1419272-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 08/29/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01
Client ID: A2-EP-EL-7
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/27/14 17:29
Analyst: BN
Percent Solids: 83%

Date Collected: 08/22/14 11:15
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	0.49	J	ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01

Date Collected: 08/22/14 11:15

Client ID: A2-EP-EL-7

Date Received: 08/22/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylene (Total)	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	4.3		ug/kg	1.0	0.14	1
1,2-Dichloroethene (total)	4.3		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	ND		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01
Client ID: A2-EP-EL-7
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/22/14 11:15
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.1	0.16	1
4-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-02
Client ID: TRIP BLANK 8-22-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/14 19:34
Analyst: PD

Date Collected: 08/22/14 00:00
Date Received: 08/22/14
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
1,3-Dichloropropene, Total	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	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-02

Date Collected: 08/22/14 00:00

Client ID: TRIP BLANK 8-22-14

Date Received: 08/22/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-02
Client ID: TRIP BLANK 8-22-14
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/22/14 00:00
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	112		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/14 10:17
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717035-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/14 10:17
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717035-3					
Trichloroethene	ND		ug/l	0.50	0.18
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
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/14 10:17
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717035-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/14 10:17
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717035-3					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	100		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/14 09:07
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG717517-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.15
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/14 09:07
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG717517-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/14 09:07
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG717517-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1419272**Project Number:** E040**Report Date:** 08/29/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/27/14 09:07

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG717517-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

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: WG717035-1 WG717035-2								
Methylene chloride	99		97		70-130	2		20
1,1-Dichloroethane	98		94		70-130	4		20
Chloroform	106		101		70-130	5		20
2-Chloroethylvinyl ether	90		87		70-130	3		20
Carbon tetrachloride	98		91		63-132	7		20
1,2-Dichloropropane	95		91		70-130	4		20
Dibromochloromethane	102		99		63-130	3		20
1,1,2-Trichloroethane	109		107		70-130	2		20
Tetrachloroethene	104		99		70-130	5		20
Chlorobenzene	107		104		75-130	3		20
Trichlorofluoromethane	140		135		62-150	4		20
1,2-Dichloroethane	99		96		70-130	3		20
1,1,1-Trichloroethane	103		99		67-130	4		20
Bromodichloromethane	96		92		67-130	4		20
trans-1,3-Dichloropropene	104		101		70-130	3		20
cis-1,3-Dichloropropene	89		86		70-130	3		20
1,1-Dichloropropene	104		99		70-130	5		20
Bromoform	104		99		54-136	5		20
1,1,2,2-Tetrachloroethane	98		96		67-130	2		20
Benzene	99		95		70-130	4		20
Toluene	106		102		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

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: WG717035-1 WG717035-2								
Ethylbenzene	110		107		70-130	3		20
Chloromethane	85		83		64-130	2		20
Bromomethane	109		102		39-139	7		20
Vinyl chloride	98		95		55-140	3		20
Chloroethane	123		117		55-138	5		20
1,1-Dichloroethene	104		97		61-145	7		20
trans-1,2-Dichloroethene	102		99		70-130	3		20
Trichloroethene	101		96		70-130	5		20
1,2-Dichlorobenzene	103		101		70-130	2		20
1,3-Dichlorobenzene	109		106		70-130	3		20
1,4-Dichlorobenzene	109		106		70-130	3		20
Methyl tert butyl ether	101		98		63-130	3		20
p/m-Xylene	108		105		70-130	3		20
o-Xylene	110		107		70-130	3		20
cis-1,2-Dichloroethene	101		98		70-130	3		20
Dibromomethane	95		93		70-130	2		20
1,2,3-Trichloropropane	114		112		64-130	2		20
Acrylonitrile	94		90		70-130	4		20
Diisopropyl Ether	90		88		70-130	2		20
Tert-Butyl Alcohol	97		92		70-130	5		20
Styrene	108		105		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

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: WG717035-1 WG717035-2								
Dichlorodifluoromethane	87		85		36-147	2		20
Acetone	77		77		58-148	0		20
Carbon disulfide	96		91		51-130	5		20
2-Butanone	109		103		63-138	6		20
Vinyl acetate	95		92		70-130	3		20
4-Methyl-2-pentanone	85		83		59-130	2		20
2-Hexanone	90		86		57-130	5		20
Bromochloromethane	102		98		70-130	4		20
2,2-Dichloropropane	102		95		63-133	7		20
1,2-Dibromoethane	104		102		70-130	2		20
1,3-Dichloropropane	108		104		70-130	4		20
1,1,1,2-Tetrachloroethane	116		112		64-130	4		20
Bromobenzene	86		83		70-130	4		20
n-Butylbenzene	115		111		53-136	4		20
sec-Butylbenzene	109		104		70-130	5		20
tert-Butylbenzene	98		94		70-130	4		20
o-Chlorotoluene	101		98		70-130	3		20
p-Chlorotoluene	100		96		70-130	4		20
1,2-Dibromo-3-chloropropane	96		96		41-144	0		20
Hexachlorobutadiene	89		86		63-130	3		20
Isopropylbenzene	88		84		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

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: WG717035-1 WG717035-2								
p-Isopropyltoluene	109		105		70-130	4		20
Naphthalene	94		95		70-130	1		20
n-Propylbenzene	97		93		69-130	4		20
1,2,3-Trichlorobenzene	92		93		70-130	1		20
1,2,4-Trichlorobenzene	96		96		70-130	0		20
1,3,5-Trimethylbenzene	113		109		64-130	4		20
1,2,4-Trimethylbenzene	105		101		70-130	4		20
Methyl Acetate	88		92		70-130	4		20
Ethyl Acetate	98		95		70-130	3		20
Cyclohexane	95		90		70-130	5		20
Ethyl-Tert-Butyl-Ether	93		90		70-130	3		20
Tertiary-Amyl Methyl Ether	96		93		66-130	3		20
1,4-Dioxane	101		98		56-162	3		20
Freon-113	109		104		70-130	5		20
p-Diethylbenzene	109		105		70-130	4		20
p-Ethyltoluene	105		100		70-130	5		20
1,2,4,5-Tetramethylbenzene	102		99		70-130	3		20
Ethyl ether	102		98		59-134	4		20
trans-1,4-Dichloro-2-butene	90		89		70-130	1		20
Iodomethane	63	Q	60	Q	70-130	5		20
Methyl cyclohexane	97		92		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

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: WG717035-1 WG717035-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	106		107		70-130
4-Bromofluorobenzene	86		86		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG717517-1 WG717517-2								
Methylene chloride	86		82		70-130	5		30
1,1-Dichloroethane	94		89		70-130	5		30
Chloroform	95		89		70-130	7		30
Carbon tetrachloride	103		96		70-130	7		30
1,2-Dichloropropane	89		84		70-130	6		30
Dibromochloromethane	94		91		70-130	3		30
1,1,2-Trichloroethane	89		86		70-130	3		30
Tetrachloroethene	97		93		70-130	4		30
Chlorobenzene	93		88		70-130	6		30
Trichlorofluoromethane	121		113		70-139	7		30
1,2-Dichloroethane	96		92		70-130	4		30
1,1,1-Trichloroethane	100		94		70-130	6		30
Bromodichloromethane	93		88		70-130	6		30
trans-1,3-Dichloropropene	92		89		70-130	3		30
cis-1,3-Dichloropropene	89		85		70-130	5		30
1,1-Dichloropropene	94		90		70-130	4		30
Bromoform	95		92		70-130	3		30
1,1,2,2-Tetrachloroethane	87		84		70-130	4		30
Benzene	89		84		70-130	6		30
Toluene	89		85		70-130	5		30
Ethylbenzene	93		88		70-130	6		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG717517-1 WG717517-2								
Chloromethane	93		89		52-130	4		30
Bromomethane	137		127		57-147	8		30
Vinyl chloride	103		96		67-130	7		30
Chloroethane	98		93		50-151	5		30
1,1-Dichloroethene	93		88		65-135	6		30
trans-1,2-Dichloroethene	91		87		70-130	4		30
Trichloroethene	91		87		70-130	4		30
1,2-Dichlorobenzene	94		89		70-130	5		30
1,3-Dichlorobenzene	95		91		70-130	4		30
1,4-Dichlorobenzene	96		91		70-130	5		30
Methyl tert butyl ether	96		91		66-130	5		30
p/m-Xylene	92		87		70-130	6		30
o-Xylene	92		88		70-130	4		30
cis-1,2-Dichloroethene	91		86		70-130	6		30
Dibromomethane	93		89		70-130	4		30
Styrene	92		88		70-130	4		30
Dichlorodifluoromethane	114		105		30-146	8		30
Acetone	93		80		54-140	15		30
Carbon disulfide	88		84		59-130	5		30
2-Butanone	81		77		70-130	5		30
Vinyl acetate	84		79		70-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG717517-1 WG717517-2								
4-Methyl-2-pentanone	85		82		70-130	4		30
1,2,3-Trichloropropane	90		87		68-130	3		30
2-Hexanone	79		77		70-130	3		30
Bromochloromethane	99		93		70-130	6		30
2,2-Dichloropropane	99		91		70-130	8		30
1,2-Dibromoethane	93		89		70-130	4		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	95		92		70-130	3		30
Bromobenzene	94		91		70-130	3		30
n-Butylbenzene	93		88		70-130	6		30
sec-Butylbenzene	92		88		70-130	4		30
tert-Butylbenzene	94		88		70-130	7		30
o-Chlorotoluene	91		87		70-130	4		30
p-Chlorotoluene	92		89		70-130	3		30
1,2-Dibromo-3-chloropropane	91		86		68-130	6		30
Hexachlorobutadiene	101		96		67-130	5		30
Isopropylbenzene	94		89		70-130	5		30
p-Isopropyltoluene	94		90		70-130	4		30
Naphthalene	90		84		70-130	7		30
Acrylonitrile	89		84		70-130	6		30
Isopropyl Ether	86		82		66-130	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG717517-1 WG717517-2								
tert-Butyl Alcohol	86		82		70-130	5		30
n-Propylbenzene	91		87		70-130	4		30
1,2,3-Trichlorobenzene	96		92		70-130	4		30
1,2,4-Trichlorobenzene	99		93		70-130	6		30
1,3,5-Trimethylbenzene	93		90		70-130	3		30
1,2,4-Trimethylbenzene	92		88		70-130	4		30
Methyl Acetate	82		76		51-146	8		30
Ethyl Acetate	82		71		70-130	14		30
Acrolein	104		90		70-130	14		30
Cyclohexane	96		88		59-142	9		30
1,4-Dioxane	90		86		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		101		50-139	7		30
1,4-Diethylbenzene	90		85		70-130	6		30
4-Ethyltoluene	90		85		70-130	6		30
1,2,4,5-Tetramethylbenzene	91		85		70-130	7		30
Tetrahydrofuran	80		65	Q	66-130	21		30
Ethyl ether	101		98		67-130	3		30
trans-1,4-Dichloro-2-butene	78		74		70-130	5		30
Methyl cyclohexane	98		92		70-130	6		30
Ethyl-Tert-Butyl-Ether	92		88		70-130	4		30
Tertiary-Amyl Methyl Ether	91		86		70-130	6		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1419272**Report Date:** 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG717517-1 WG717517-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		107		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	107		104		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01
Client ID: A2-EP-EL-7
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/29/14 00:37
Analyst: RC
Percent Solids: 83%

Date Collected: 08/22/14 11:15
Date Received: 08/22/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/14 20:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01

Date Collected: 08/22/14 11:15

Client ID: A2-EP-EL-7

Date Received: 08/22/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1419272**Project Number:** E040**Report Date:** 08/29/14**SAMPLE RESULTS**

Lab ID: L1419272-01

Date Collected: 08/22/14 11:15

Client ID: A2-EP-EL-7

Date Received: 08/22/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	80		0-136
4-Terphenyl-d14	72		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/26/14 09:39
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/25/14 20:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG716730-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/26/14 09:39
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/25/14 20:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG716730-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/26/14 09:39
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/25/14 20:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG716730-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	135		0-136
4-Terphenyl-d14	121	Q	18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG716730-2 WG716730-3								
Acenaphthene	81		95		31-137	16		50
1,2,4-Trichlorobenzene	70		82		38-107	16		50
Hexachlorobenzene	96		112		40-140	15		50
Bis(2-chloroethyl)ether	62		74		40-140	18		50
2-Chloronaphthalene	77		90		40-140	16		50
1,2-Dichlorobenzene	62		73		40-140	16		50
1,3-Dichlorobenzene	62		72		40-140	15		50
1,4-Dichlorobenzene	61		73		28-104	18		50
3,3'-Dichlorobenzidine	74		86		40-140	15		50
2,4-Dinitrotoluene	110	Q	128	Q	28-89	15		50
2,6-Dinitrotoluene	100		116		40-140	15		50
Fluoranthene	89		99		40-140	11		50
4-Chlorophenyl phenyl ether	88		103		40-140	16		50
4-Bromophenyl phenyl ether	95		110		40-140	15		50
Bis(2-chloroisopropyl)ether	58		68		40-140	16		50
Bis(2-chloroethoxy)methane	66		78		40-117	17		50
Hexachlorobutadiene	78		92		40-140	16		50
Hexachlorocyclopentadiene	85		100		40-140	16		50
Hexachloroethane	68		80		40-140	16		50
Isophorone	66		79		40-140	18		50
Naphthalene	70		83		40-140	17		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG716730-2 WG716730-3								
Nitrobenzene	92		108		40-140	16		50
NitrosoDiPhenylAmine(NDPA)/DPA	84		98			15		50
n-Nitrosodi-n-propylamine	63		75		32-121	17		50
Bis(2-Ethylhexyl)phthalate	90		103		40-140	13		50
Butyl benzyl phthalate	90		101		40-140	12		50
Di-n-butylphthalate	91		106		40-140	15		50
Di-n-octylphthalate	91		104		40-140	13		50
Diethyl phthalate	92		106		40-140	14		50
Dimethyl phthalate	87		102		40-140	16		50
Benzo(a)anthracene	84		98		40-140	15		50
Benzo(a)pyrene	93		108		40-140	15		50
Benzo(b)fluoranthene	84		103		40-140	20		50
Benzo(k)fluoranthene	97		108		40-140	11		50
Chrysene	92		104		40-140	12		50
Acenaphthylene	77		90		40-140	16		50
Anthracene	90		106		40-140	16		50
Benzo(ghi)perylene	88		110		40-140	22		50
Fluorene	85		99		40-140	15		50
Phenanthrene	87		102		40-140	16		50
Dibenzo(a,h)anthracene	92		110		40-140	18		50
Indeno(1,2,3-cd)Pyrene	83		100		40-140	19		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG716730-2 WG716730-3								
Pyrene	87		97		35-142	11		50
Biphenyl	86		101			16		50
4-Chloroaniline	64		77		40-140	18		50
2-Nitroaniline	93		110		47-134	17		50
3-Nitroaniline	58		70		26-129	19		50
4-Nitroaniline	82		96		41-125	16		50
Dibenzofuran	81		95		40-140	16		50
2-Methylnaphthalene	70		82		40-140	16		50
1,2,4,5-Tetrachlorobenzene	86		101		40-117	16		50
Acetophenone	74		88		14-144	17		50
2,4,6-Trichlorophenol	87		101		30-130	15		50
P-Chloro-M-Cresol	86		101		26-103	16		50
2-Chlorophenol	66		77		25-102	15		50
2,4-Dichlorophenol	78		92		30-130	16		50
2,4-Dimethylphenol	70		82		30-130	16		50
2-Nitrophenol	79		94		30-130	17		50
4-Nitrophenol	102		115	Q	11-114	12		50
2,4-Dinitrophenol	82		90		4-130	9		50
4,6-Dinitro-o-cresol	97		110		10-130	13		50
Pentachlorophenol	108		124	Q	17-109	14		50
Phenol	64		75		26-90	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG716730-2 WG716730-3								
2-Methylphenol	64		75		30-130.	16		50
3-Methylphenol/4-Methylphenol	71		83		30-130	16		50
2,4,5-Trichlorophenol	94		110		30-130	16		50
Benzoic Acid	60		53			12		50
Benzyl Alcohol	70		82		40-140	16		50
Carbazole	81		96		54-128	17		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		83		25-120
Phenol-d6	71		83		10-120
Nitrobenzene-d5	91		107		23-120
2-Fluorobiphenyl	82		98		30-120
2,4,6-Tribromophenol	123		142	Q	0-136
4-Terphenyl-d14	96		107		18-120

PCBS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01
Client ID: A2-EP-EL-7
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/28/14 07:42
Analyst: TQ
Percent Solids: 83%

Date Collected: 08/22/14 11:15
Date Received: 08/22/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/27/14 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/27/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.14	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.75	1	A
PCBs, Total	ND		ug/kg	39.7	1.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1419272**Project Number:** E040**Report Date:** 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/28/14 09:05
 Analyst: TQ

Extraction Method: EPA 3546
 Extraction Date: 08/27/14 01:24
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/27/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG717093-1						
Aroclor 1016	ND		ug/kg	32.0	2.53	A
Aroclor 1221	ND		ug/kg	32.0	2.95	A
Aroclor 1232	ND		ug/kg	32.0	3.75	A
Aroclor 1242	ND		ug/kg	32.0	3.92	A
Aroclor 1248	ND		ug/kg	32.0	2.70	A
Aroclor 1254	ND		ug/kg	32.0	2.63	A
Aroclor 1260	ND		ug/kg	32.0	2.44	A
Aroclor 1262	ND		ug/kg	32.0	1.59	A
Aroclor 1268	ND		ug/kg	32.0	4.64	A
PCBs, Total	ND		ug/kg	32.0	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	102		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1419272**Report Date:** 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG717093-2 WG717093-3									
Aroclor 1016	78		81		40-140	4		50	A
Aroclor 1260	86		93		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		75		30-150	A
Decachlorobiphenyl	98		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		81		30-150	B
Decachlorobiphenyl	115		118		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01
Client ID: A2-EP-EL-7
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/14 07:52
Analyst: GP
Percent Solids: 83%

Date Collected: 08/22/14 11:15
Date Received: 08/22/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/27/14 06:00
Cleanup Method: EPA 3620B
Cleanup Date: 08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.758	0.339	1	A
Alpha-BHC	ND		ug/kg	0.758	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.690	1	A
Heptachlor	ND		ug/kg	0.910	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.758	0.311	1	A
Dieldrin	ND		ug/kg	1.14	0.569	1	A
4,4'-DDE	ND		ug/kg	1.82	0.421	1	A
4,4'-DDD	ND		ug/kg	1.82	0.649	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.758	0.361	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
cis-Chlordane	ND		ug/kg	2.27	0.634	1	A
trans-Chlordane	ND		ug/kg	2.27	0.600	1	A
Chlordane	ND		ug/kg	14.8	6.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/29/14 07:01
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 08/27/14 06:00
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG717122-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.788	0.353	A
Aldrin	ND		ug/kg	1.58	0.555	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	A
Endrin	ND		ug/kg	0.656	0.269	A
Dieldrin	ND		ug/kg	0.985	0.492	A
4,4'-DDE	ND		ug/kg	1.58	0.364	A
4,4'-DDD	ND		ug/kg	1.58	0.562	A
4,4'-DDT	ND		ug/kg	2.95	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.372	A
Endosulfan II	ND		ug/kg	1.58	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.919	A
cis-Chlordane	ND		ug/kg	1.97	0.549	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	12.8	5.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	112		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG717122-2 WG717122-3									
Delta-BHC	104		118		30-150	13		30	A
Lindane	110		131		30-150	17		30	A
Alpha-BHC	99		114		30-150	14		30	A
Beta-BHC	114		131		30-150	14		30	A
Heptachlor	107		122		30-150	13		30	A
Aldrin	109		125		30-150	14		30	A
Heptachlor epoxide	111		126		30-150	13		30	A
Endrin	124		143		30-150	14		30	A
Endrin ketone	89		109		30-150	20		30	A
Dieldrin	121		137		30-150	12		30	A
4,4'-DDE	116		131		30-150	12		30	A
4,4'-DDD	115		136		30-150	17		30	A
4,4'-DDT	102		120		30-150	16		30	A
Endosulfan I	109		124		30-150	13		30	A
Endosulfan II	100		117		30-150	16		30	A
Endosulfan sulfate	101		120		30-150	17		30	A
Methoxychlor	86		104		30-150	19		30	A
cis-Chlordane	106		120		30-150	12		30	A
trans-Chlordane	112		127		30-150	13		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG717122-2 WG717122-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		101		30-150	B
Decachlorobiphenyl	90		109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		97		30-150	A
Decachlorobiphenyl	82		105		30-150	A

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01

Date Collected: 08/22/14 11:15

Client ID: A2-EP-EL-7

Date Received: 08/22/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5000		mg/kg	9.1	1.8	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.6	0.73	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Arsenic, Total	3.6		mg/kg	0.91	0.18	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Barium, Total	72		mg/kg	0.91	0.27	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Beryllium, Total	0.36	J	mg/kg	0.46	0.09	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.91	0.06	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Calcium, Total	1400		mg/kg	9.1	2.7	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Chromium, Total	110		mg/kg	0.91	0.18	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Cobalt, Total	12		mg/kg	1.8	0.46	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Copper, Total	13		mg/kg	0.91	0.18	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Iron, Total	12000		mg/kg	4.6	1.8	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Lead, Total	6.0		mg/kg	4.6	0.18	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Magnesium, Total	3900		mg/kg	9.1	0.91	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Manganese, Total	230		mg/kg	0.91	0.18	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/23/14 08:40	08/25/14 16:34	EPA 7471B	1,7471B	MC
Nickel, Total	160		mg/kg	2.3	0.36	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Potassium, Total	1700		mg/kg	230	36.	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.8	0.27	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.91	0.18	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Sodium, Total	170	J	mg/kg	180	27.	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Vanadium, Total	15		mg/kg	0.91	0.09	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC
Zinc, Total	22		mg/kg	4.6	0.64	2	08/27/14 14:59	08/27/14 20:18	EPA 3050B	1,6010C	BC



Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG716320-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/23/14 08:40	08/25/14 15:40	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG717332-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Barium, Total	ND		mg/kg	0.40	0.12	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Copper, Total	ND		mg/kg	0.40	0.08	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Iron, Total	ND		mg/kg	2.0	0.80	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Lead, Total	ND		mg/kg	2.0	0.08	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Potassium, Total	ND		mg/kg	100	16.	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Silver, Total	ND		mg/kg	0.40	0.08	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Sodium, Total	ND		mg/kg	80	12.	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/27/14 14:59	08/27/14 19:17	1,6010C	BC

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG716320-2 SRM Lot Number: D083-540								
Mercury, Total	100		-		75-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG717332-2 SRM Lot Number: D083-540					
Aluminum, Total	79	-	51-148	-	
Antimony, Total	172	-	1-210	-	
Arsenic, Total	106	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	99	-	82-118	-	
Cadmium, Total	95	-	82-118	-	
Calcium, Total	94	-	82-118	-	
Chromium, Total	98	-	79-121	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	102	-	80-120	-	
Iron, Total	99	-	47-153	-	
Lead, Total	100	-	81-119	-	
Magnesium, Total	96	-	75-124	-	
Manganese, Total	95	-	81-119	-	
Nickel, Total	98	-	82-118	-	
Potassium, Total	92	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	102	-	74-125	-	
Sodium, Total	98	-	70-130	-	
Thallium, Total	103	-	78-122	-	
Vanadium, Total	97	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG717332-2 SRM Lot Number: D083-540					
Zinc, Total	97	-	80-121	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1419272

Project Number: E040

Report Date: 08/29/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG716320-4 QC Sample: L1419253-01 Client ID: MS Sample												
Mercury, Total	ND	0.145	0.19	131	Q	-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG717332-4 QC Sample: L1419269-04 Client ID: MS Sample									
Aluminum, Total	5800	238	7800	840	Q	-	75-125	-	20
Antimony, Total	ND	59.5	57	96		-	75-125	-	20
Arsenic, Total	6.5	14.3	22	108		-	75-125	-	20
Barium, Total	210	238	560	147	Q	-	75-125	-	20
Beryllium, Total	0.24J	5.95	6.0	101		-	75-125	-	20
Cadmium, Total	0.61J	6.07	6.4	105		-	75-125	-	20
Calcium, Total	30000	1190	36000	504	Q	-	75-125	-	20
Chromium, Total	14.	23.8	41	113		-	75-125	-	20
Cobalt, Total	4.2	59.5	64	100		-	75-125	-	20
Copper, Total	46.	29.7	84	128	Q	-	75-125	-	20
Iron, Total	9800	119	15000	4370	Q	-	75-125	-	20
Lead, Total	1800	60.7	980	0	Q	-	75-125	-	20
Magnesium, Total	3600	1190	8500	412	Q	-	75-125	-	20
Manganese, Total	190	59.5	280	151	Q	-	75-125	-	20
Nickel, Total	23.	59.5	88	109		-	75-125	-	20
Potassium, Total	690	1190	2100	118		-	75-125	-	20
Selenium, Total	ND	14.3	14	98		-	75-125	-	20
Silver, Total	0.28J	35.7	38	106		-	75-125	-	20
Sodium, Total	290	1190	1500	102		-	75-125	-	20
Thallium, Total	ND	14.3	13	91		-	75-125	-	20
Vanadium, Total	29.	59.5	92	106		-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG717332-4 QC Sample: L1419269-04 Client ID: MS Sample									
Zinc, Total	320	59.5	310	0	Q	-	-	75-125	- 20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1419272
Report Date: 08/29/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG716320-3 QC Sample: L1419253-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG717332-3 QC Sample: L1419269-04 Client ID: DUP Sample					
Aluminum, Total	5800	7500	mg/kg	26	Q 20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	6.5	6.3	mg/kg	3	20
Barium, Total	210	160	mg/kg	27	Q 20
Beryllium, Total	0.24J	0.56J	mg/kg	NC	20
Cadmium, Total	0.61J	0.49J	mg/kg	NC	20
Calcium, Total	30000	25000	mg/kg	18	20
Chromium, Total	14.	17	mg/kg	19	20
Cobalt, Total	4.2	5.6	mg/kg	29	Q 20
Copper, Total	46.	38	mg/kg	19	20
Iron, Total	9800	13000	mg/kg	28	Q 20
Lead, Total	1800	370	mg/kg	132	Q 20
Magnesium, Total	3600	5600	mg/kg	43	Q 20
Manganese, Total	190	240	mg/kg	23	Q 20
Nickel, Total	23.	37	mg/kg	47	Q 20
Potassium, Total	690	1100	mg/kg	46	Q 20
Selenium, Total	ND	0.38J	mg/kg	NC	20
Silver, Total	0.28J	ND	mg/kg	NC	20
Sodium, Total	290	240	mg/kg	19	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG717332-3 QC Sample: L1419269-04 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	29.	24	mg/kg	19	20
Zinc, Total	320	200	mg/kg	46 Q	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

SAMPLE RESULTS

Lab ID: L1419272-01

Client ID: A2-EP-EL-7

Sample Location: 520 W 28TH ST., NYC

Matrix: Soil

Date Collected: 08/22/14 11:15

Date Received: 08/22/14

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	83.0		%	0.100	NA	1	-	08/25/14 15:58	30,2540G	AN



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1419272
Report Date: 08/29/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG716644-1 QC Sample: L1419264-01 Client ID: DUP Sample						
Solids, Total	82.9	84.5	%	2		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/23/2014 01:30

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419272-01A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1419272-01B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1419272-01C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1419272-01D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1419272-01F	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1419272-01G	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1419272-01H	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1419272

Report Date: 08/29/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419272-01I	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1419272-01J	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1419272-01X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1419272-01Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1419272-01Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1419272-02A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1419272-02B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1419272
Report Date: 08/29/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.

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

Client Information

Client: INTEGRAL CONSULTING, INC.
Address: 61 BROADWAY, SUITE 1601
NY, NYC
Phone: 212-440-6715
Fax: SMITANEY@INTEGRAL-CORP.COM
Email: ACARROLL@INTEGRAL-CORP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name:	520 WEST 28TH STREET
Project Location:	520 W28TH ST, NYC
Project #:	E040
Project Manager:	ALANA CARROLL
ALPHA Quote #:	

Turn-Around Time

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

Date Due: 4/10/15 Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Serial No:0829141524

ALPHA Job #:

Billing Information

☐ Same as Client info PO #:

ANALYSIS

TCL VOCs VIA 8260C
PART 375 + CP.51
TCL SWOGS VIA CP.51
PART 375 + CP.51
TOTAL METALS VIA 8270 D
72471A, PART 375 + CP.51
TOTAL PAHs VIA 8210C/
PART 375 + CP.51
ASTM C1003 VIA 8082A
PART 375 + CP.51
PART 375 + CP.51

SAMPLE HANDLING

Filtration

☐ Done

 Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

THE
C
T
A
L

E
C
T
I
L
E
S

[illegible]

Container Type	E/V	A	A	A	A

Preservative	A/b	A	A	A	A

Relinquished By:

Date/Time

Received By:

Date/Time

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:	L1418729
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	08/21/14

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), 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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1418729-01	C2/C3 EP EL-6.75	SOIL	520 W 28TH ST., NYC	08/18/14 09:15	08/18/14
L1418729-02	TRIP BLANK-8.18.14	WATER	520 W 28TH ST., NYC	08/18/14 00:00	08/18/14

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

Case Narrative (continued)

Report Submission

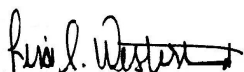
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

L1418729-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 08/21/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01
Client ID: C2/C3 EP EL-6.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/14 14:23
Analyst: BN
Percent Solids: 84%

Date Collected: 08/18/14 09:15
Date Received: 08/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.08	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Bromodichloromethane	ND		ug/kg	0.98	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.98	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.14	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.10	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.98	0.12	1
Chloromethane	ND		ug/kg	4.9	0.29	1
Bromomethane	ND		ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.11	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.15	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01

Date Collected: 08/18/14 09:15

Client ID: C2/C3 EP EL-6.75

Date Received: 08/18/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.08	1
p/m-Xylene	ND		ug/kg	2.0	0.19	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylene (Total)	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	0.67	J	ug/kg	0.98	0.14	1
1,2-Dichloroethene (total)	0.67	J	ug/kg	0.98	0.14	1
Dibromomethane	ND		ug/kg	9.8	0.16	1
Styrene	ND		ug/kg	2.0	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.19	1
Acetone	ND		ug/kg	9.8	1.0	1
Carbon disulfide	ND		ug/kg	9.8	1.1	1
2-Butanone	ND		ug/kg	9.8	0.26	1
Vinyl acetate	ND		ug/kg	9.8	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.16	1
2-Hexanone	ND		ug/kg	9.8	0.65	1
Bromochloromethane	ND		ug/kg	4.9	0.27	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.98	0.11	1
sec-Butylbenzene	ND		ug/kg	0.98	0.12	1
tert-Butylbenzene	ND		ug/kg	4.9	0.13	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.39	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.22	1
Isopropylbenzene	ND		ug/kg	0.98	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.12	1
Naphthalene	ND		ug/kg	4.9	0.14	1
Acrylonitrile	ND		ug/kg	9.8	0.50	1
n-Propylbenzene	ND		ug/kg	0.98	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01
Client ID: C2/C3 EP EL-6.75
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/18/14 09:15
Date Received: 08/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,4-Dioxane	ND		ug/kg	98	14.	1
1,4-Diethylbenzene	ND		ug/kg	3.9	0.16	1
4-Ethyltoluene	ND		ug/kg	3.9	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-02
Client ID: TRIP BLANK-8.18.14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/19/14 12:15
Analyst: PD

Date Collected: 08/18/14 00:00
Date Received: 08/18/14
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
1,3-Dichloropropene, Total	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	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-02

Date Collected: 08/18/14 00:00

Client ID: TRIP BLANK-8.18.14

Date Received: 08/18/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-02
Client ID: TRIP BLANK-8.18.14
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/18/14 00:00
Date Received: 08/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	110		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	117		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/14 08:49
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG715061-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.15
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/14 08:49
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG715061-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/14 08:49
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG715061-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1418729**Project Number:** E040**Report Date:** 08/21/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/19/14 08:49

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG715061-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/14 11:19
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG715086-3					
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
1,3-Dichloropropene, Total	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	0.18

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/14 11:19
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG715086-3					
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
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/14 11:19
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG715086-3					
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
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.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-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	105		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG715061-1 WG715061-2								
Methylene chloride	87		82		70-130	6		30
1,1-Dichloroethane	95		87		70-130	9		30
Chloroform	98		91		70-130	7		30
Carbon tetrachloride	103		94		70-130	9		30
1,2-Dichloropropane	89		85		70-130	5		30
Dibromochloromethane	100		96		70-130	4		30
1,1,2-Trichloroethane	96		92		70-130	4		30
Tetrachloroethene	108		100		70-130	8		30
Chlorobenzene	101		94		70-130	7		30
Trichlorofluoromethane	119		109		70-139	9		30
1,2-Dichloroethane	94		90		70-130	4		30
1,1,1-Trichloroethane	103		94		70-130	9		30
Bromodichloromethane	94		90		70-130	4		30
trans-1,3-Dichloropropene	98		92		70-130	6		30
cis-1,3-Dichloropropene	90		85		70-130	6		30
1,1-Dichloropropene	97		89		70-130	9		30
Bromoform	102		99		70-130	3		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	93		85		70-130	9		30
Toluene	99		91		70-130	8		30
Ethylbenzene	102		94		70-130	8		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG715061-1 WG715061-2								
Chloromethane	97		90		52-130	7		30
Bromomethane	150	Q	126		57-147	17		30
Vinyl chloride	102		93		67-130	9		30
Chloroethane	98		89		50-151	10		30
1,1-Dichloroethene	98		90		65-135	9		30
trans-1,2-Dichloroethene	96		88		70-130	9		30
Trichloroethene	97		89		70-130	9		30
1,2-Dichlorobenzene	103		98		70-130	5		30
1,3-Dichlorobenzene	105		101		70-130	4		30
1,4-Dichlorobenzene	105		100		70-130	5		30
Methyl tert butyl ether	95		90		66-130	5		30
p/m-Xylene	101		94		70-130	7		30
o-Xylene	101		95		70-130	6		30
cis-1,2-Dichloroethene	95		88		70-130	8		30
Dibromomethane	92		90		70-130	2		30
Styrene	102		95		70-130	7		30
Dichlorodifluoromethane	123		112		30-146	9		30
Acetone	88		84		54-140	5		30
Carbon disulfide	91		85		59-130	7		30
2-Butanone	83		80		70-130	4		30
Vinyl acetate	80		78		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG715061-1 WG715061-2								
4-Methyl-2-pentanone	83		82		70-130	1		30
1,2,3-Trichloropropane	97		94		68-130	3		30
2-Hexanone	85		83		70-130	2		30
Bromochloromethane	100		95		70-130	5		30
2,2-Dichloropropane	99		92		70-130	7		30
1,2-Dibromoethane	100		95		70-130	5		30
1,3-Dichloropropane	96		93		69-130	3		30
1,1,1,2-Tetrachloroethane	102		97		70-130	5		30
Bromobenzene	106		98		70-130	8		30
n-Butylbenzene	105		96		70-130	9		30
sec-Butylbenzene	104		97		70-130	7		30
tert-Butylbenzene	104		98		70-130	6		30
o-Chlorotoluene	104		97		70-130	7		30
p-Chlorotoluene	104		99		70-130	5		30
1,2-Dibromo-3-chloropropane	94		93		68-130	1		30
Hexachlorobutadiene	114		103		67-130	10		30
Isopropylbenzene	104		95		70-130	9		30
p-Isopropyltoluene	106		99		70-130	7		30
Naphthalene	95		93		70-130	2		30
Acrylonitrile	84		83		70-130	1		30
Isopropyl Ether	87		81		66-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG715061-1 WG715061-2								
tert-Butyl Alcohol	79		77		70-130	3		30
n-Propylbenzene	103		96		70-130	7		30
1,2,3-Trichlorobenzene	106		101		70-130	5		30
1,2,4-Trichlorobenzene	110		102		70-130	8		30
1,3,5-Trimethylbenzene	104		98		70-130	6		30
1,2,4-Trimethylbenzene	103		97		70-130	6		30
Methyl Acetate	76		77		51-146	1		30
Ethyl Acetate	78		74		70-130	5		30
Acrolein	112		87		70-130	25		30
Cyclohexane	98		89		59-142	10		30
1,4-Dioxane	89		81		65-136	9		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		104		50-139	7		30
1,4-Diethylbenzene	93		86		70-130	8		30
4-Ethyltoluene	92		86		70-130	7		30
1,2,4,5-Tetramethylbenzene	92		86		70-130	7		30
Tetrahydrofuran	77		76		66-130	1		30
Ethyl ether	95		92		67-130	3		30
trans-1,4-Dichloro-2-butene	80		79		70-130	1		30
Methyl cyclohexane	105		93		70-130	12		30
Ethyl-Tert-Butyl-Ether	92		87		70-130	6		30
Tertiary-Amyl Methyl Ether	92		86		70-130	7		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1418729**Report Date:** 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG715061-1 WG715061-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		104		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	101		104		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

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: WG715086-1 WG715086-2								
Methylene chloride	115		117		70-130	2		20
1,1-Dichloroethane	106		109		70-130	3		20
Chloroform	112		114		70-130	2		20
Carbon tetrachloride	115		118		63-132	3		20
1,2-Dichloropropane	100		103		70-130	3		20
Dibromochloromethane	91		97		63-130	6		20
1,1,2-Trichloroethane	98		101		70-130	3		20
Tetrachloroethene	101		103		70-130	2		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	130		131		62-150	1		20
1,2-Dichloroethane	110		112		70-130	2		20
1,1,1-Trichloroethane	116		117		67-130	1		20
Bromodichloromethane	105		110		67-130	5		20
trans-1,3-Dichloropropene	90		96		70-130	6		20
cis-1,3-Dichloropropene	105		109		70-130	4		20
1,1-Dichloropropene	112		114		70-130	2		20
Bromoform	84		90		54-136	7		20
1,1,2,2-Tetrachloroethane	85		90		67-130	6		20
Benzene	111		113		70-130	2		20
Toluene	97		99		70-130	2		20
Ethylbenzene	100		103		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

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: WG715086-1 WG715086-2								
Chloromethane	108		111		64-130	3		20
Bromomethane	140	Q	150	Q	39-139	7		20
Vinyl chloride	103		106		55-140	3		20
Chloroethane	111		112		55-138	1		20
1,1-Dichloroethene	110		112		61-145	2		20
trans-1,2-Dichloroethene	110		114		70-130	4		20
Trichloroethene	116		117		70-130	1		20
1,2-Dichlorobenzene	91		94		70-130	3		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	90		93		70-130	3		20
Methyl tert butyl ether	104		110		63-130	6		20
p/m-Xylene	107		110		70-130	3		20
o-Xylene	107		111		70-130	4		20
cis-1,2-Dichloroethene	110		114		70-130	4		20
Dibromomethane	106		111		70-130	5		20
1,2,3-Trichloropropane	92		95		64-130	3		20
Acrylonitrile	96		104		70-130	8		20
Styrene	107		110		70-130	3		20
Dichlorodifluoromethane	164	Q	162	Q	36-147	1		20
Acetone	120		114		58-148	5		20
Carbon disulfide	105		108		51-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

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: WG715086-1 WG715086-2								
2-Butanone	108		111		63-138	3		20
Vinyl acetate	100		106		70-130	6		20
4-Methyl-2-pentanone	80		91		59-130	13		20
2-Hexanone	63		68		57-130	8		20
Bromochloromethane	123		126		70-130	2		20
2,2-Dichloropropane	114		117		63-133	3		20
1,2-Dibromoethane	93		99		70-130	6		20
1,3-Dichloropropane	92		96		70-130	4		20
1,1,1,2-Tetrachloroethane	97		101		64-130	4		20
Bromobenzene	90		94		70-130	4		20
n-Butylbenzene	95		97		53-136	2		20
sec-Butylbenzene	96		98		70-130	2		20
tert-Butylbenzene	95		98		70-130	3		20
o-Chlorotoluene	93		96		70-130	3		20
p-Chlorotoluene	92		95		70-130	3		20
1,2-Dibromo-3-chloropropane	87		92		41-144	6		20
Hexachlorobutadiene	91		92		63-130	1		20
Isopropylbenzene	94		96		70-130	2		20
p-Isopropyltoluene	93		95		70-130	2		20
Naphthalene	74		82		70-130	10		20
n-Propylbenzene	94		96		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

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: WG715086-1 WG715086-2								
1,2,3-Trichlorobenzene	91		96		70-130	5		20
1,2,4-Trichlorobenzene	85		89		70-130	5		20
1,3,5-Trimethylbenzene	97		98		64-130	1		20
1,2,4-Trimethylbenzene	97		100		70-130	3		20
1,4-Dioxane	96		103		56-162	7		20
p-Diethylbenzene	89		91		70-130	2		20
p-Ethyltoluene	96		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	87		90		70-130	3		20
Ethyl ether	102		106		59-134	4		20
trans-1,4-Dichloro-2-butene	77		83		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	110		108		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1418729**Project Number:** E040**Report Date:** 08/21/14**SAMPLE RESULTS**

Lab ID: L1418729-01
Client ID: C2/C3 EP EL-6.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/21/14 11:07
Analyst: JB
Percent Solids: 84%

Date Collected: 08/18/14 09:15
Date Received: 08/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/19/14 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	61.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01

Date Collected: 08/18/14 09:15

Client ID: C2/C3 EP EL-6.75

Date Received: 08/18/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	60.	1
Acetophenone	ND		ug/kg	200	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	56.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01
Client ID: C2/C3 EP EL-6.75
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/18/14 09:15
Date Received: 08/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	75		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/19/14 15:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 08/19/14 08:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG714984-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/19/14 15:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 08/19/14 08:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG714984-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/19/14 15:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 08/19/14 08:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG714984-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	82		0-136
4-Terphenyl-d14	85		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG714984-2 WG714984-3								
Acenaphthene	74		71		31-137	4		50
1,2,4-Trichlorobenzene	64		63		38-107	2		50
Hexachlorobenzene	79		75		40-140	5		50
Bis(2-chloroethyl)ether	66		66		40-140	0		50
2-Chloronaphthalene	78		74		40-140	5		50
1,2-Dichlorobenzene	62		64		40-140	3		50
1,3-Dichlorobenzene	61		62		40-140	2		50
1,4-Dichlorobenzene	61		62		28-104	2		50
3,3'-Dichlorobenzidine	60		57		40-140	5		50
2,4-Dinitrotoluene	88		80		28-89	10		50
2,6-Dinitrotoluene	91		83		40-140	9		50
Fluoranthene	83		77		40-140	8		50
4-Chlorophenyl phenyl ether	76		74		40-140	3		50
4-Bromophenyl phenyl ether	79		76		40-140	4		50
Bis(2-chloroisopropyl)ether	61		61		40-140	0		50
Bis(2-chloroethoxy)methane	80		78		40-117	3		50
Hexachlorobutadiene	64		66		40-140	3		50
Hexachlorocyclopentadiene	71		71		40-140	0		50
Hexachloroethane	64		66		40-140	3		50
Isophorone	75		72		40-140	4		50
Naphthalene	69		69		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG714984-2 WG714984-3								
Nitrobenzene	73		69		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	81		79			3		50
n-Nitrosodi-n-propylamine	74		72		32-121	3		50
Bis(2-Ethylhexyl)phthalate	93		88		40-140	6		50
Butyl benzyl phthalate	93		88		40-140	6		50
Di-n-butylphthalate	91		83		40-140	9		50
Di-n-octylphthalate	97		92		40-140	5		50
Diethyl phthalate	86		81		40-140	6		50
Dimethyl phthalate	84		81		40-140	4		50
Benzo(a)anthracene	81		76		40-140	6		50
Benzo(a)pyrene	79		72		40-140	9		50
Benzo(b)fluoranthene	82		77		40-140	6		50
Benzo(k)fluoranthene	80		74		40-140	8		50
Chrysene	80		78		40-140	3		50
Acenaphthylene	83		78		40-140	6		50
Anthracene	82		74		40-140	10		50
Benzo(ghi)perylene	78		75		40-140	4		50
Fluorene	79		76		40-140	4		50
Phenanthrene	79		72		40-140	9		50
Dibenzo(a,h)anthracene	76		76		40-140	0		50
Indeno(1,2,3-cd)Pyrene	82		77		40-140	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG714984-2 WG714984-3								
Pyrene	82		77		35-142	6		50
Biphenyl	76		74			3		50
4-Chloroaniline	62		60		40-140	3		50
2-Nitroaniline	87		80		47-134	8		50
3-Nitroaniline	59		61		26-129	3		50
4-Nitroaniline	82		78		41-125	5		50
Dibenzofuran	75		72		40-140	4		50
2-Methylnaphthalene	82		72		40-140	13		50
1,2,4,5-Tetrachlorobenzene	67		66		40-117	2		50
Acetophenone	78		75		14-144	4		50
2,4,6-Trichlorophenol	90		84		30-130	7		50
P-Chloro-M-Cresol	87		81		26-103	7		50
2-Chlorophenol	68		67		25-102	1		50
2,4-Dichlorophenol	83		79		30-130	5		50
2,4-Dimethylphenol	82		78		30-130	5		50
2-Nitrophenol	71		71		30-130	0		50
4-Nitrophenol	70		65		11-114	7		50
2,4-Dinitrophenol	48		50		4-130	4		50
4,6-Dinitro-o-cresol	79		74		10-130	7		50
Pentachlorophenol	72		64		17-109	12		50
Phenol	74		72		26-90	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG714984-2 WG714984-3								
2-Methylphenol	84		80		30-130.	5		50
3-Methylphenol/4-Methylphenol	83		80		30-130	4		50
2,4,5-Trichlorophenol	87		76		30-130	13		50
Benzoic Acid	45		41			9		50
Benzyl Alcohol	97		97		40-140	0		50
Carbazole	79		72		54-128	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		80		25-120
Phenol-d6	81		78		10-120
Nitrobenzene-d5	78		74		23-120
2-Fluorobiphenyl	81		74		30-120
2,4,6-Tribromophenol	85		75		0-136
4-Terphenyl-d14	81		76		18-120

PCBS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01
Client ID: C2/C3 EP EL-6.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/14 13:12
Analyst: JT
Percent Solids: 84%

Date Collected: 08/18/14 09:15
Date Received: 08/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/19/14 05:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.13	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.75	1	A
PCBs, Total	ND		ug/kg	39.7	1.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1418729**Project Number:** E040**Report Date:** 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/19/14 15:44
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 08/19/14 05:31
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/19/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/19/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG714938-1						
Aroclor 1016	ND		ug/kg	31.5	2.48	A
Aroclor 1221	ND		ug/kg	31.5	2.90	A
Aroclor 1232	ND		ug/kg	31.5	3.69	A
Aroclor 1242	ND		ug/kg	31.5	3.85	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.56	A
PCBs, Total	ND		ug/kg	31.5	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	112		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG714938-2 WG714938-3									
Aroclor 1016	77		77		40-140	0		50	A
Aroclor 1260	83		89		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	A
Decachlorobiphenyl	88		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		81		30-150	B
Decachlorobiphenyl	102		114		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01
Client ID: C2/C3 EP EL-6.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/14 21:38
Analyst: SS
Percent Solids: 84%

Date Collected: 08/18/14 09:15
Date Received: 08/18/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/19/14 07:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	14.8	6.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/20/14 20:59
 Analyst: SS

Extraction Method: EPA 3546
 Extraction Date: 08/19/14 07:03
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/19/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG714944-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.855	A
Endrin	ND		ug/kg	0.633	0.260	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.3	5.03	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	82		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG714944-2 WG714944-3									
Delta-BHC	92		89		30-150	3		30	A
Lindane	93		89		30-150	4		30	A
Alpha-BHC	98		93		30-150	5		30	A
Beta-BHC	112		106		30-150	6		30	A
Heptachlor	112		107		30-150	5		30	A
Aldrin	111		106		30-150	5		30	A
Heptachlor epoxide	104		100		30-150	4		30	A
Endrin	111		106		30-150	5		30	A
Endrin ketone	80		77		30-150	4		30	A
Dieldrin	112		107		30-150	5		30	A
4,4'-DDE	107		103		30-150	4		30	A
4,4'-DDD	100		97		30-150	3		30	A
4,4'-DDT	103		101		30-150	2		30	A
Endosulfan I	103		98		30-150	5		30	A
Endosulfan II	90		86		30-150	5		30	A
Endosulfan sulfate	83		80		30-150	4		30	A
Methoxychlor	85		82		30-150	4		30	A
cis-Chlordane	99		95		30-150	4		30	A
trans-Chlordane	109		104		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG714944-2 WG714944-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		90		30-150	A
Decachlorobiphenyl	91		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		91		30-150	B
Decachlorobiphenyl	90		88		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01

Date Collected: 08/18/14 09:15

Client ID: C2/C3 EP EL-6.75

Date Received: 08/18/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7800		mg/kg	9.2	1.8	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Antimony, Total	0.93	J	mg/kg	4.6	0.73	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Arsenic, Total	0.90	J	mg/kg	0.92	0.18	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Barium, Total	73		mg/kg	0.92	0.27	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Beryllium, Total	0.49		mg/kg	0.46	0.09	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.92	0.06	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Calcium, Total	12000		mg/kg	9.2	2.7	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Chromium, Total	16		mg/kg	0.92	0.18	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Cobalt, Total	5.6		mg/kg	1.8	0.46	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Copper, Total	13		mg/kg	0.92	0.18	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Iron, Total	14000		mg/kg	4.6	1.8	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Lead, Total	7.7		mg/kg	4.6	0.18	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Magnesium, Total	5000		mg/kg	9.2	0.92	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Manganese, Total	400		mg/kg	0.92	0.18	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/19/14 08:15	08/19/14 11:48	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.3	0.37	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Potassium, Total	2700		mg/kg	230	37.	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.92	0.18	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Sodium, Total	350		mg/kg	180	27.	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.37	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.92	0.09	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH
Zinc, Total	25		mg/kg	4.6	0.64	2	08/19/14 15:12	08/19/14 17:09	EPA 3050B	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG714908-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/19/14 08:15	08/19/14 10:57	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG715138-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Chromium, Total	0.08	J	mg/kg	0.40	0.08	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/19/14 15:12	08/19/14 16:43	1,6010C	JH

Project Name: 520 WEST 28TH STREET

Lab Number: L1418729

Project Number: E040

Report Date: 08/21/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG714908-2 SRM Lot Number: D077-540								
Mercury, Total	120		-		72-128	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG715138-2 SRM Lot Number: D077-540					
Aluminum, Total	78	-	48-152	-	
Antimony, Total	167	-	1-219	-	
Arsenic, Total	101	-	83-117	-	
Barium, Total	94	-	83-117	-	
Beryllium, Total	100	-	84-116	-	
Cadmium, Total	107	-	84-115	-	
Calcium, Total	100	-	83-117	-	
Chromium, Total	101	-	82-118	-	
Cobalt, Total	107	-	83-117	-	
Copper, Total	110	-	82-118	-	
Iron, Total	92	-	50-149	-	
Lead, Total	95	-	81-119	-	
Magnesium, Total	86	-	76-124	-	
Manganese, Total	100	-	82-117	-	
Nickel, Total	104	-	82-118	-	
Potassium, Total	96	-	73-127	-	
Selenium, Total	111	-	80-121	-	
Silver, Total	97	-	66-134	-	
Sodium, Total	114	-	74-126	-	
Thallium, Total	96	-	81-119	-	
Vanadium, Total	100	-	78-123	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1418729**Report Date:** 08/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG715138-2 SRM Lot Number: D077-540					
Zinc, Total	101	-	82-118	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG714908-4 QC Sample: L1418618-01 Client ID: MS Sample												
Mercury, Total	0.18	0.165	0.40	134	Q	-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG715138-4 QC Sample: L1418631-01 Client ID: MS Sample									
Aluminum, Total	11000	214	14000	1400	Q	-	75-125	-	20
Antimony, Total	ND	53.5	41	77	-	-	75-125	-	20
Arsenic, Total	21.	12.8	35	109	-	-	75-125	-	20
Barium, Total	19.	214	230	98	-	-	75-125	-	20
Beryllium, Total	0.91	5.35	6.6	106	-	-	75-125	-	20
Cadmium, Total	ND	5.46	5.0	92	-	-	75-125	-	20
Calcium, Total	2300	1070	3200	84	-	-	75-125	-	20
Chromium, Total	44.	21.4	76	150	Q	-	75-125	-	20
Cobalt, Total	2.5	53.5	53	94	-	-	75-125	-	20
Copper, Total	5.3	26.8	33	104	-	-	75-125	-	20
Iron, Total	40000	107	47000	6540	Q	-	75-125	-	20
Lead, Total	6.3	54.6	55	89	-	-	75-125	-	20
Magnesium, Total	2200	1070	4400	206	Q	-	75-125	-	20
Manganese, Total	51.	53.5	91	75	-	-	75-125	-	20
Nickel, Total	3.9	53.5	53	92	-	-	75-125	-	20
Potassium, Total	7200	1070	12000	448	Q	-	75-125	-	20
Selenium, Total	1.9J	12.8	14	109	-	-	75-125	-	20
Silver, Total	ND	32.1	33	103	-	-	75-125	-	20
Sodium, Total	84.J	1070	1400	131	Q	-	75-125	-	20
Thallium, Total	ND	12.8	10	78	-	-	75-125	-	20
Vanadium, Total	27.	53.5	82	103	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG715138-4 QC Sample: L1418631-01 Client ID: MS Sample									
Zinc, Total	95.	53.5	130	65	Q	-	-	75-125	- 20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1418729
Report Date: 08/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG714908-3 QC Sample: L1418618-01 Client ID: DUP Sample						
Mercury, Total	0.18	0.18	mg/kg	0		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG715138-3 QC Sample: L1418631-01 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	21.	23	mg/kg	9		20
Barium, Total	19.	18	mg/kg	5		20
Beryllium, Total	0.91	0.82	mg/kg	10		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	44.	44	mg/kg	0		20
Copper, Total	5.3	4.8	mg/kg	10		20
Lead, Total	6.3	5.6	mg/kg	12		20
Nickel, Total	3.9	3.2	mg/kg	20		20
Selenium, Total	1.9J	2.2	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Zinc, Total	95.	81	mg/kg	16		20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

SAMPLE RESULTS

Lab ID: L1418729-01
Client ID: C2/C3 EP EL-6.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil

Date Collected: 08/18/14 09:15
Date Received: 08/18/14
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	84.0		%	0.100	NA	1	-	08/19/14 02:34	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1418729
Report Date: 08/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG714928-1 QC Sample: L1418699-01 Client ID: DUP Sample						
Solids, Total	82.2	83.8	%	2		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1418729

Report Date: 08/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/18/2014 23:31

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418729-01A	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1418729-01B	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1418729-01C	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1418729-01D	Plastic 2oz unpreserved for TS	A	N/A	3.6	Y	Absent	TS(7)
L1418729-01E	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1418729-01X	Vial MeOH preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1418729-01Y	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1418729-01Z	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1418729-02A	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1418729-02B	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1418729
Report Date: 08/21/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1417834
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	08/18/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1417834-01	B2-EP-EL-5.75	SOIL	520 W 28TH ST., NYC	08/07/14 08:15	08/07/14
L1417834-02	FIELD BLANK-8-7-14	WATER	520 W 28TH ST., NYC	08/07/14 09:00	08/07/14
L1417834-03	TRIP BLANK-8-7-14	WATER	520 W 28TH ST., NYC	08/07/14 00:00	08/07/14
L1417834-04	DUPLICATE	SOIL	520 W 28TH ST., NYC	08/07/14 00:00	08/07/14

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

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.

Metals

L1417834-01 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The L1417834-02 Field Blank has a concentration above the reporting limit for zinc. The results were confirmed.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 08/18/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01
Client ID: B2-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/12/14 11:32
Analyst: MV
Percent Solids: 79%

Date Collected: 08/07/14 08:15
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	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	0.17	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	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.22	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.17	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01

Date Collected: 08/07/14 08:15

Client ID: B2-EP-EL-5.75

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylene (Total)	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	1.3		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	1.3		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	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	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01
Client ID: B2-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/07/14 08:15
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.17	1
4-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
Client ID: FIELD BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/08/14 19:20
Analyst: PD

Date Collected: 08/07/14 09:00
Date Received: 08/07/14
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
1,3-Dichloropropene, Total	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	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02

Date Collected: 08/07/14 09:00

Client ID: FIELD BLANK-8-7-14

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
Client ID: FIELD BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/07/14 09:00
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	117		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-03
Client ID: TRIP BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/08/14 19:55
Analyst: PD

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
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
1,3-Dichloropropene, Total	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	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-03

Date Collected: 08/07/14 00:00

Client ID: TRIP BLANK-8-7-14

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	2.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-03
Client ID: TRIP BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	121		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	106		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14**SAMPLE RESULTS**

Lab ID: L1417834-04
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/12/14 18:35
Analyst: MV
Percent Solids: 78%

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.25	J	ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-04

Date Collected: 08/07/14 00:00

Client ID: DUPLICATE

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
Xylene (Total)	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	1.5		ug/kg	1.2	0.18	1
1,2-Dichloroethene (total)	1.5		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	3.5	J	ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.17	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-04
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.20	1
4-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/08/14 11:41
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG712648-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/08/14 11:41
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG712648-3					
Trichloroethene	ND		ug/l	0.50	0.18
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
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/08/14 11:41
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG712648-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/08/14 11:41

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG712648-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/12/14 09:26
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04 Batch: WG713403-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.32	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/12/14 09:26
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04 Batch: WG713403-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/12/14 09:26
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04 Batch: WG713403-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/12/14 09:26
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04 Batch: WG713403-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG712648-1 WG712648-2								
Methylene chloride	81		82		70-130	1		20
1,1-Dichloroethane	83		80		70-130	4		20
Chloroform	87		86		70-130	1		20
2-Chloroethylvinyl ether	80		77		70-130	4		20
Carbon tetrachloride	84		79		63-132	6		20
1,2-Dichloropropane	80		80		70-130	0		20
Dibromochloromethane	94		91		63-130	3		20
1,1,2-Trichloroethane	96		95		70-130	1		20
Tetrachloroethene	90		86		70-130	5		20
Chlorobenzene	95		95		75-130	0		20
Trichlorofluoromethane	83		80		62-150	4		20
1,2-Dichloroethane	94		90		70-130	4		20
1,1,1-Trichloroethane	87		86		67-130	1		20
Bromodichloromethane	86		81		67-130	6		20
trans-1,3-Dichloropropene	94		94		70-130	0		20
cis-1,3-Dichloropropene	81		78		70-130	4		20
1,1-Dichloropropene	83		81		70-130	2		20
Bromoform	98		86		54-136	13		20
1,1,2,2-Tetrachloroethane	106		100		67-130	6		20
Benzene	81		78		70-130	4		20
Toluene	93		91		70-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG712648-1 WG712648-2								
Ethylbenzene	98		97		70-130	1		20
Chloromethane	72		76		64-130	5		20
Bromomethane	40		41		39-139	2		20
Vinyl chloride	76		78		55-140	3		20
Chloroethane	83		83		55-138	0		20
1,1-Dichloroethene	77		76		61-145	1		20
trans-1,2-Dichloroethene	83		79		70-130	5		20
Trichloroethene	81		77		70-130	5		20
1,2-Dichlorobenzene	102		99		70-130	3		20
1,3-Dichlorobenzene	101		99		70-130	2		20
1,4-Dichlorobenzene	101		99		70-130	2		20
Methyl tert butyl ether	82		81		63-130	1		20
p/m-Xylene	97		95		70-130	2		20
o-Xylene	97		98		70-130	1		20
cis-1,2-Dichloroethene	81		77		70-130	5		20
Dibromomethane	84		83		70-130	1		20
1,2,3-Trichloropropane	106		97		64-130	9		20
Acrylonitrile	86		82		70-130	5		20
Diisopropyl Ether	85		84		70-130	1		20
Tert-Butyl Alcohol	130		110		70-130	17		20
Styrene	101		102		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG712648-1 WG712648-2								
Dichlorodifluoromethane	78		75		36-147	4		20
Acetone	106		97		58-148	9		20
Carbon disulfide	74		68		51-130	8		20
2-Butanone	119		120		63-138	1		20
Vinyl acetate	100		97		70-130	3		20
4-Methyl-2-pentanone	85		81		59-130	5		20
2-Hexanone	97		93		57-130	4		20
Bromochloromethane	81		76		70-130	6		20
2,2-Dichloropropane	90		85		63-133	6		20
1,2-Dibromoethane	97		94		70-130	3		20
1,3-Dichloropropane	98		92		70-130	6		20
1,1,1,2-Tetrachloroethane	95		93		64-130	2		20
Bromobenzene	101		97		70-130	4		20
n-Butylbenzene	106		102		53-136	4		20
sec-Butylbenzene	107		101		70-130	6		20
tert-Butylbenzene	108		101		70-130	7		20
o-Chlorotoluene	109		104		70-130	5		20
p-Chlorotoluene	110		104		70-130	6		20
1,2-Dibromo-3-chloropropane	108		104		41-144	4		20
Hexachlorobutadiene	104		98		63-130	6		20
Isopropylbenzene	106		100		70-130	6		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG712648-1 WG712648-2								
p-Isopropyltoluene	107		102		70-130	5		20
Naphthalene	105		100		70-130	5		20
n-Propylbenzene	108		104		69-130	4		20
1,2,3-Trichlorobenzene	101		95		70-130	6		20
1,2,4-Trichlorobenzene	98		95		70-130	3		20
1,3,5-Trimethylbenzene	108		105		64-130	3		20
1,2,4-Trimethylbenzene	108		103		70-130	5		20
Methyl Acetate	81		80		70-130	1		20
Ethyl Acetate	91		79		70-130	14		20
Cyclohexane	80		72		70-130	11		20
Ethyl-Tert-Butyl-Ether	85		81		70-130	5		20
Tertiary-Amyl Methyl Ether	84		79		66-130	6		20
1,4-Dioxane	128		112		56-162	13		20
Freon-113	89		81		70-130	9		20
p-Diethylbenzene	104		99		70-130	5		20
p-Ethyltoluene	108		103		70-130	5		20
1,2,4,5-Tetramethylbenzene	109		106		70-130	3		20
Ethyl ether	77		70		59-134	10		20
trans-1,4-Dichloro-2-butene	103		92		70-130	11		20
Methyl cyclohexane	81		76		70-130	6		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG712648-1 WG712648-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		114		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04 Batch: WG713403-1 WG713403-2								
Methylene chloride	98		102		70-130	4		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	95		95		70-130	0		30
Carbon tetrachloride	93		92		70-130	1		30
1,2-Dichloropropane	108		111		70-130	3		30
Dibromochloromethane	97		98		70-130	1		30
2-Chloroethylvinyl ether	102		106		70-130	4		30
1,1,2-Trichloroethane	108		107		70-130	1		30
Tetrachloroethene	94		95		70-130	1		30
Chlorobenzene	98		101		70-130	3		30
Trichlorofluoromethane	93		91		70-139	2		30
1,2-Dichloroethane	98		96		70-130	2		30
1,1,1-Trichloroethane	96		94		70-130	2		30
Bromodichloromethane	84		86		70-130	2		30
trans-1,3-Dichloropropene	104		104		70-130	0		30
cis-1,3-Dichloropropene	102		105		70-130	3		30
1,1-Dichloropropene	103		101		70-130	2		30
Bromoform	94		97		70-130	3		30
1,1,2,2-Tetrachloroethane	107		109		70-130	2		30
Benzene	102		104		70-130	2		30
Toluene	98		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04 Batch: WG713403-1 WG713403-2								
Ethylbenzene	102		102		70-130	0		30
Chloromethane	99		98		52-130	1		30
Bromomethane	88		90		57-147	2		30
Vinyl chloride	92		92		67-130	0		30
Chloroethane	98		96		50-151	2		30
1,1-Dichloroethene	97		97		65-135	0		30
trans-1,2-Dichloroethene	98		98		70-130	0		30
Trichloroethene	99		100		70-130	1		30
1,2-Dichlorobenzene	100		101		70-130	1		30
1,3-Dichlorobenzene	101		101		70-130	0		30
1,4-Dichlorobenzene	101		101		70-130	0		30
Methyl tert butyl ether	100		102		66-130	2		30
p/m-Xylene	105		106		70-130	1		30
o-Xylene	104		106		70-130	2		30
cis-1,2-Dichloroethene	100		101		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	107		109		70-130	2		30
Dichlorodifluoromethane	86		83		30-146	4		30
Acetone	113		114		54-140	1		30
Carbon disulfide	92		93		59-130	1		30
2-Butanone	120		126		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04 Batch: WG713403-1 WG713403-2								
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	102		110		70-130	8		30
1,2,3-Trichloropropane	108		109		68-130	1		30
2-Hexanone	100		104		70-130	4		30
Bromochloromethane	100		103		70-130	3		30
2,2-Dichloropropane	97		95		70-130	2		30
1,2-Dibromoethane	102		105		70-130	3		30
1,3-Dichloropropane	106		107		69-130	1		30
1,1,1,2-Tetrachloroethane	97		97		70-130	0		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	108		107		70-130	1		30
sec-Butylbenzene	105		106		70-130	1		30
tert-Butylbenzene	102		102		70-130	0		30
o-Chlorotoluene	104		104		70-130	0		30
p-Chlorotoluene	105		105		70-130	0		30
1,2-Dibromo-3-chloropropane	88		95		68-130	8		30
Hexachlorobutadiene	92		92		67-130	0		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	104		104		70-130	0		30
Naphthalene	100		102		70-130	2		30
Acrylonitrile	116		120		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04 Batch: WG713403-1 WG713403-2								
Isopropyl Ether	110		112		66-130	2		30
tert-Butyl Alcohol	100		107		70-130	7		30
n-Propylbenzene	106		105		70-130	1		30
1,2,3-Trichlorobenzene	97		99		70-130	2		30
1,2,4-Trichlorobenzene	101		103		70-130	2		30
1,3,5-Trimethylbenzene	104		104		70-130	0		30
1,2,4-Trimethylbenzene	105		104		70-130	1		30
Methyl Acetate	108		114		51-146	5		30
Ethyl Acetate	112		110		70-130	2		30
Acrolein	146	Q	135	Q	70-130	8		30
Cyclohexane	112		111		59-142	1		30
1,4-Dioxane	97		107		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		98		50-139	0		30
1,4-Diethylbenzene	103		105		70-130	2		30
4-Ethyltoluene	103		104		70-130	1		30
1,2,4,5-Tetramethylbenzene	101		103		70-130	2		30
Tetrahydrofuran	115		118		66-130	3		30
Ethyl ether	104		107		67-130	3		30
trans-1,4-Dichloro-2-butene	102		100		70-130	2		30
Methyl cyclohexane	104		104		70-130	0		30
Ethyl-Tert-Butyl-Ether	105		106		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1417834**Report Date:** 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04 Batch: WG713403-1 WG713403-2								
Tertiary-Amyl Methyl Ether	103		106		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01
Client ID: B2-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/13/14 03:04
Analyst: RC
Percent Solids: 79%

Date Collected: 08/07/14 08:15
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/09/14 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	210	67.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	44.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	55.	1
Naphthalene	ND		ug/kg	210	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01

Date Collected: 08/07/14 08:15

Client ID: B2-EP-EL-5.75

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	54.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	ND		ug/kg	210	44.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14**SAMPLE RESULTS**

Lab ID: L1417834-01

Date Collected: 08/07/14 08:15

Client ID: B2-EP-EL-5.75

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	62		18-120

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
Client ID: FIELD BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/14 05:33
Analyst: PS

Date Collected: 08/07/14 09:00
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/10/14 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
Client ID: FIELD BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/07/14 09:00
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	102		41-149

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
Client ID: FIELD BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/12/14 11:38
Analyst: KR

Date Collected: 08/07/14 09:00
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/10/14 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14**SAMPLE RESULTS**

Lab ID: L1417834-02

Date Collected: 08/07/14 09:00

Client ID: FIELD BLANK-8-7-14

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	76		41-149

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14**SAMPLE RESULTS**

Lab ID: L1417834-04
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/13/14 03:32
Analyst: RC
Percent Solids: 78%

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/09/14 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-04

Date Collected: 08/07/14 00:00

Client ID: DUPLICATE

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	41.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	1000	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	170	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14**SAMPLE RESULTS**

Lab ID: L1417834-04

Date Collected: 08/07/14 00:00

Client ID: DUPLICATE

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	75		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/12/14 19:40
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/09/14 13:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG712578-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/12/14 19:40
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/09/14 13:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG712578-1					
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/12/14 19:40
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/09/14 13:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG712578-1					
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
1-Methylnaphthalene	ND		ug/kg	160	49.

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/12/14 19:40
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/09/14 13:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG712578-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	78		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/12/14 10:08
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 08/10/14 00:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG712620-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/12/14 10:08
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 08/10/14 00:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG712620-1					
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	104		41-149

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/11/14 16:38
 Analyst: KR

Extraction Method: EPA 3510C
 Extraction Date: 08/10/14 00:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG712621-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.08	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.07	J	ug/l	0.80	0.07

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/11/14 16:38
 Analyst: KR

Extraction Method: EPA 3510C
 Extraction Date: 08/10/14 00:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG712621-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	82		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG712578-2 WG712578-3								
Acenaphthene	73		72		31-137	1		50
Benzidine	19		18			5		50
n-Nitrosodimethylamine	52		50			4		50
1,2,4-Trichlorobenzene	66		64		38-107	3		50
Hexachlorobenzene	85		84		40-140	1		50
Bis(2-chloroethyl)ether	62		60		40-140	3		50
2-Chloronaphthalene	78		75		40-140	4		50
1,2-Dichlorobenzene	63		62		40-140	2		50
1,3-Dichlorobenzene	63		61		40-140	3		50
1,4-Dichlorobenzene	62		60		28-104	3		50
3,3'-Dichlorobenzidine	62		65		40-140	5		50
2,4-Dinitrotoluene	84		81		28-89	4		50
2,6-Dinitrotoluene	82		79		40-140	4		50
Fluoranthene	88		87		40-140	1		50
4-Chlorophenyl phenyl ether	78		78		40-140	0		50
4-Bromophenyl phenyl ether	84		82		40-140	2		50
Azobenzene	73		71		40-140	3		50
Bis(2-chloroisopropyl)ether	54		53		40-140	2		50
Bis(2-chloroethoxy)methane	64		63		40-117	2		50
Hexachlorobutadiene	70		68		40-140	3		50
Hexachlorocyclopentadiene	72		68		40-140	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG712578-2 WG712578-3								
Hexachloroethane	62		60		40-140	3		50
Isophorone	69		68		40-140	1		50
Naphthalene	69		67		40-140	3		50
Nitrobenzene	65		61		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	82		78			5		50
n-Nitrosodi-n-propylamine	62		62		32-121	0		50
Bis(2-ethylhexyl)phthalate	91		88		40-140	3		50
Butyl benzyl phthalate	87		87		40-140	0		50
Di-n-butylphthalate	91		92		40-140	1		50
Di-n-octylphthalate	92		91		40-140	1		50
Diethyl phthalate	85		84		40-140	1		50
Dimethyl phthalate	84		82		40-140	2		50
Benzo(a)anthracene	82		82		40-140	0		50
Benzo(a)pyrene	85		84		40-140	1		50
Benzo(b)fluoranthene	81		78		40-140	4		50
Benzo(k)fluoranthene	92		93		40-140	1		50
Chrysene	86		87		40-140	1		50
Acenaphthylene	80		78		40-140	3		50
Anthracene	85		85		40-140	0		50
Benzo(ghi)perylene	81		79		40-140	3		50
Fluorene	79		76		40-140	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG712578-2 WG712578-3								
Phenanthrene	86		86		40-140	0		50
Dibenzo(a,h)anthracene	85		82		40-140	4		50
Indeno(1,2,3-cd)pyrene	81		78		40-140	4		50
Pyrene	86		86		35-142	0		50
Biphenyl	75		72			4		50
Aniline	45		42		40-140	7		50
4-Chloroaniline	61		56		40-140	9		50
2-Nitroaniline	81		79		47-134	3		50
3-Nitroaniline	52		53		26-129	2		50
4-Nitroaniline	72		70		41-125	3		50
Dibenzofuran	77		75		40-140	3		50
2-Methylnaphthalene	72		69		40-140	4		50
1,2,4,5-Tetrachlorobenzene	70		66		40-117	6		50
Acetophenone	71		70		14-144	1		50
2,4,6-Trichlorophenol	76		75		30-130	1		50
P-Chloro-M-Cresol	78		74		26-103	5		50
2-Chlorophenol	67		66		25-102	2		50
2,4-Dichlorophenol	71		69		30-130	3		50
2,4-Dimethylphenol	67		69		30-130	3		50
2-Nitrophenol	66		64		30-130	3		50
4-Nitrophenol	83		82		11-114	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG712578-2 WG712578-3								
2,4-Dinitrophenol	49		56		4-130	13		50
4,6-Dinitro-o-cresol	78		80		10-130	3		50
Pentachlorophenol	79		86		17-109	8		50
Phenol	65		63		26-90	3		50
2-Methylphenol	67		66		30-130.	2		50
3-Methylphenol/4-Methylphenol	73		71		30-130	3		50
2,4,5-Trichlorophenol	81		78		30-130	4		50
Benzoic Acid	12		14			15		50
Benzyl Alcohol	66		63		40-140	5		50
Carbazole	84		84		54-128	0		50
Benzaldehyde	56		50			11		50
Caprolactam	73		74			1		50
Atrazine	89		88			1		50
2,3,4,6-Tetrachlorophenol	80		79			1		50
Pyridine	46		39		10-93	16		50
1-Methylnaphthalene	75		72		26-130	4		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG712578-2 WG712578-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		62		25-120
Phenol-d6	67		64		10-120
Nitrobenzene-d5	66		63		23-120
2-Fluorobiphenyl	73		70		30-120
2,4,6-Tribromophenol	88		87		0-136
4-Terphenyl-d14	83		82		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG712620-2 WG712620-3								
1,2,4-Trichlorobenzene	58		59		39-98	2		30
Bis(2-chloroethyl)ether	60		59		40-140	2		30
1,2-Dichlorobenzene	53		55		40-140	4		30
1,3-Dichlorobenzene	49		50		40-140	2		30
1,4-Dichlorobenzene	50		52		36-97	4		30
3,3'-Dichlorobenzidine	85		77		40-140	10		30
2,4-Dinitrotoluene	94		91		24-96	3		30
2,6-Dinitrotoluene	100		95		40-140	5		30
4-Chlorophenyl phenyl ether	93		86		40-140	8		30
4-Bromophenyl phenyl ether	106		100		40-140	6		30
Bis(2-chloroisopropyl)ether	61		58		40-140	5		30
Bis(2-chloroethoxy)methane	62		58		40-140	7		30
Hexachlorocyclopentadiene	25	Q	25	Q	40-140	0		30
Isophorone	70		67		40-140	4		30
Nitrobenzene	69		65		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	95		89		40-140	7		30
n-Nitrosodi-n-propylamine	63		63		29-132	0		30
Bis(2-ethylhexyl)phthalate	84		77		40-140	9		30
Butyl benzyl phthalate	92		85		40-140	8		30
Di-n-butylphthalate	89		83		40-140	7		30
Di-n-octylphthalate	90		81		40-140	11		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG712620-2 WG712620-3								
Diethyl phthalate	91		84		40-140	8		30
Dimethyl phthalate	93		85		40-140	9		30
Biphenyl	74		69			7		30
4-Chloroaniline	65		59		40-140	10		30
2-Nitroaniline	96		89		52-143	8		30
3-Nitroaniline	69		62		25-145	11		30
4-Nitroaniline	85		82		51-143	4		30
Dibenzofuran	86		80		40-140	7		30
1,2,4,5-Tetrachlorobenzene	64		61		2-134	5		30
Acetophenone	73		71		39-129	3		30
2,4,6-Trichlorophenol	90		86		30-130	5		30
P-Chloro-M-Cresol	73		70		23-97	4		30
2-Chlorophenol	58		55		27-123	5		30
2,4-Dichlorophenol	76		72		30-130	5		30
2,4-Dimethylphenol	64		64		30-130	0		30
2-Nitrophenol	72		70		30-130	3		30
4-Nitrophenol	43		43		10-80	0		30
2,4-Dinitrophenol	86		88		20-130	2		30
4,6-Dinitro-o-cresol	108		101		20-164	7		30
Phenol	24		24		12-110	0		30
2-Methylphenol	49		49		30-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG712620-2 WG712620-3								
3-Methylphenol/4-Methylphenol	47		47		30-130	0		30
2,4,5-Trichlorophenol	99		91		30-130	8		30
Benzoic Acid	27		25			8		30
Benzyl Alcohol	50		51			2		30
Carbazole	97		90		55-144	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		34		21-120
Phenol-d6	23		24		10-120
Nitrobenzene-d5	66		64		23-120
2-Fluorobiphenyl	82		79		15-120
2,4,6-Tribromophenol	101		95		10-120
4-Terphenyl-d14	102		96		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG712621-2 WG712621-3								
Acenaphthene	64		73		37-111	13		40
2-Chloronaphthalene	64		74		40-140	14		40
Fluoranthene	89		86		40-140	3		40
Hexachlorobutadiene	59		67		40-140	13		40
Naphthalene	60		68		40-140	13		40
Benzo(a)anthracene	98		93		40-140	5		40
Benzo(a)pyrene	87		81		40-140	7		40
Benzo(b)fluoranthene	87		85		40-140	2		40
Benzo(k)fluoranthene	85		83		40-140	2		40
Chrysene	92		86		40-140	7		40
Acenaphthylene	73		83		40-140	13		40
Anthracene	81		80		40-140	1		40
Benzo(ghi)perylene	84		82		40-140	2		40
Fluorene	71		77		40-140	8		40
Phenanthrene	75		75		40-140	0		40
Dibenzo(a,h)anthracene	87		82		40-140	6		40
Indeno(1,2,3-cd)pyrene	83		81		40-140	2		40
Pyrene	89		87		26-127	2		40
2-Methylnaphthalene	66		75		40-140	13		40
Pentachlorophenol	80		78		9-103	3		40
Hexachlorobenzene	84		84		40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG712621-2 WG712621-3								
Hexachloroethane	62		69		40-140	11		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	33		34		21-120
Phenol-d6	24		23		10-120
Nitrobenzene-d5	63		69		23-120
2-Fluorobiphenyl	66		76		15-120
2,4,6-Tribromophenol	84		86		10-120
4-Terphenyl-d14	80		76		41-149

PCBS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01
Client ID: B2-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/14 08:40
Analyst: TQ
Percent Solids: 79%

Date Collected: 08/07/14 08:15
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/09/14 15:47
Cleanup Method: EPA 3665A
Cleanup Date: 08/11/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.24	1	A
Aroclor 1221	ND		ug/kg	41.0	3.78	1	A
Aroclor 1232	ND		ug/kg	41.0	4.80	1	A
Aroclor 1242	ND		ug/kg	41.0	5.02	1	A
Aroclor 1248	ND		ug/kg	41.0	3.46	1	A
Aroclor 1254	ND		ug/kg	41.0	3.37	1	A
Aroclor 1260	ND		ug/kg	41.0	3.12	1	A
Aroclor 1262	ND		ug/kg	41.0	2.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.94	1	A
PCBs, Total	ND		ug/kg	41.0	2.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
Client ID: FIELD BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/12/14 21:16
Analyst: JW

Date Collected: 08/07/14 09:00
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/12/14 01:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/12/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	35		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	32		30-150	A

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-04
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/14 08:54
Analyst: TQ
Percent Solids: 78%

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/09/14 15:47
Cleanup Method: EPA 3665A
Cleanup Date: 08/11/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.5	3.28	1	A
Aroclor 1221	ND		ug/kg	41.5	3.83	1	A
Aroclor 1232	ND		ug/kg	41.5	4.87	1	A
Aroclor 1242	ND		ug/kg	41.5	5.08	1	A
Aroclor 1248	ND		ug/kg	41.5	3.51	1	A
Aroclor 1254	ND		ug/kg	41.5	3.42	1	A
Aroclor 1260	ND		ug/kg	41.5	3.16	1	A
Aroclor 1262	ND		ug/kg	41.5	2.06	1	A
Aroclor 1268	ND		ug/kg	41.5	6.02	1	A
PCBs, Total	ND		ug/kg	41.5	2.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/12/14 09:07
 Analyst: TQ

Extraction Method: EPA 3546
 Extraction Date: 08/09/14 15:47
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/11/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,04 Batch: WG712589-1						
Aroclor 1016	ND		ug/kg	32.2	2.54	A
Aroclor 1221	ND		ug/kg	32.2	2.97	A
Aroclor 1232	ND		ug/kg	32.2	3.77	A
Aroclor 1242	ND		ug/kg	32.2	3.94	A
Aroclor 1248	ND		ug/kg	32.2	2.72	A
Aroclor 1254	ND		ug/kg	32.2	2.65	A
Aroclor 1260	ND		ug/kg	32.2	2.45	A
Aroclor 1262	ND		ug/kg	32.2	1.60	A
Aroclor 1268	ND		ug/kg	32.2	4.67	A
PCBs, Total	ND		ug/kg	32.2	1.60	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417834**Project Number:** E040**Report Date:** 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/12/14 19:04
 Analyst: JW

Extraction Method: EPA 3510C
 Extraction Date: 08/12/14 01:56
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/12/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG712966-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	84		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG712589-2 WG712589-3									
Aroclor 1016	76		84		40-140	10		50	A
Aroclor 1260	87		90		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		90		30-150	A
Decachlorobiphenyl	91		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		78		30-150	B
Decachlorobiphenyl	86		82		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG712966-2 WG712966-3									
Aroclor 1016	70		66		40-140	5		50	A
Aroclor 1260	84		81		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		53		30-150	B
Decachlorobiphenyl	97		97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	45		50		30-150	A
Decachlorobiphenyl	89		88		30-150	A

PESTICIDES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01
Client ID: B2-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/15/14 21:31
Analyst: GP
Percent Solids: 79%

Date Collected: 08/07/14 08:15
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/15/14 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 08/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.677	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	3.61	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.635	1	A
Chlordane	ND		ug/kg	15.6	6.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
Client ID: FIELD BLANK-8-7-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/13/14 06:13
Analyst: GP

Date Collected: 08/07/14 09:00
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/09/14 20:26
Cleanup Method: EPA 3620B
Cleanup Date: 08/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	127		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-04
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/15/14 21:47
Analyst: GP
Percent Solids: 78%

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/15/14 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 08/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.389	1	A
Lindane	ND		ug/kg	0.827	0.370	1	A
Alpha-BHC	ND		ug/kg	0.827	0.235	1	A
Beta-BHC	ND		ug/kg	1.98	0.753	1	A
Heptachlor	ND		ug/kg	0.993	0.445	1	A
Aldrin	ND		ug/kg	1.98	0.699	1	A
Heptachlor epoxide	ND		ug/kg	3.72	1.12	1	A
Endrin	ND		ug/kg	0.827	0.339	1	A
Dieldrin	ND		ug/kg	1.24	0.620	1	A
4,4'-DDE	ND		ug/kg	1.98	0.459	1	A
4,4'-DDD	ND		ug/kg	1.98	0.708	1	A
4,4'-DDT	ND		ug/kg	3.72	1.60	1	A
Endosulfan I	ND		ug/kg	1.98	0.469	1	A
Endosulfan II	ND		ug/kg	1.98	0.663	1	A
Endosulfan sulfate	ND		ug/kg	0.827	0.394	1	A
Methoxychlor	ND		ug/kg	3.72	1.16	1	A
cis-Chlordane	ND		ug/kg	2.48	0.692	1	A
trans-Chlordane	ND		ug/kg	2.48	0.655	1	A
Chlordane	ND		ug/kg	16.1	6.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/13/14 05:21
 Analyst: GP

Extraction Method: EPA 3510C
 Extraction Date: 08/09/14 20:26
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG712605-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/15/14 19:56
 Analyst: GP

Extraction Method: EPA 3546
 Extraction Date: 08/15/14 10:12
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04 Batch: WG714264-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.640	0.286	A
Alpha-BHC	ND		ug/kg	0.640	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.582	A
Heptachlor	ND		ug/kg	0.768	0.344	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.864	A
Endrin	ND		ug/kg	0.640	0.262	A
Dieldrin	ND		ug/kg	0.960	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.355	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.513	A
Endosulfan sulfate	ND		ug/kg	0.640	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.896	A
cis-Chlordane	ND		ug/kg	1.92	0.535	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.5	5.09	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG712605-2 WG712605-3									
Delta-BHC	87		120		30-150	31	Q	20	A
Lindane	95		131		30-150	31	Q	20	A
Alpha-BHC	83		113		30-150	30	Q	20	A
Beta-BHC	98		137		30-150	33	Q	20	A
Heptachlor	85		124		30-150	37	Q	20	A
Aldrin	90		122		30-150	30	Q	20	A
Heptachlor epoxide	94		124		30-150	28	Q	20	A
Endrin	102		134		30-150	27	Q	20	A
Endrin ketone	75		108		30-150	36	Q	20	A
Dieldrin	101		132		30-150	27	Q	20	A
4,4'-DDE	102		132		30-150	26	Q	20	A
4,4'-DDD	100		131		30-150	27	Q	20	A
4,4'-DDT	85		112		30-150	27	Q	20	A
Endosulfan I	95		124		30-150	27	Q	20	A
Endosulfan II	89		124		30-150	32	Q	20	A
Endosulfan sulfate	77		113		30-150	38	Q	20	A
Methoxychlor	64		90		30-150	33	Q	20	A
cis-Chlordane	96		117		30-150	19		20	A
trans-Chlordane	100		126		30-150	23	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG712605-2 WG712605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		103		30-150	A
Decachlorobiphenyl	89		118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		101		30-150	B
Decachlorobiphenyl	112		99		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG714264-2 WG714264-3									
Delta-BHC	67		72		30-150	7		30	A
Lindane	69		75		30-150	8		30	A
Alpha-BHC	72		78		30-150	8		30	A
Beta-BHC	71		73		30-150	3		30	A
Heptachlor	72		77		30-150	7		30	A
Aldrin	71		76		30-150	7		30	A
Heptachlor epoxide	70		75		30-150	7		30	A
Endrin	89		95		30-150	7		30	A
Endrin ketone	53		56		30-150	6		30	A
Dieldrin	74		79		30-150	7		30	A
4,4'-DDE	71		75		30-150	5		30	A
4,4'-DDD	72		76		30-150	5		30	A
4,4'-DDT	74		79		30-150	7		30	A
Endosulfan I	69		74		30-150	7		30	A
Endosulfan II	64		68		30-150	6		30	A
Endosulfan sulfate	50		52		30-150	4		30	A
Methoxychlor	62		64		30-150	3		30	A
cis-Chlordane	69		74		30-150	7		30	A
trans-Chlordane	71		76		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG714264-2 WG714264-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	A
Decachlorobiphenyl	74		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		60		30-150	B
Decachlorobiphenyl	68		68		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01

Date Collected: 08/07/14 08:15

Client ID: B2-EP-EL-5.75

Date Received: 08/07/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	9.8	2.0	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.78	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Arsenic, Total	4.9		mg/kg	0.98	0.20	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Barium, Total	82		mg/kg	0.98	0.29	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Beryllium, Total	0.60		mg/kg	0.49	0.10	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.98	0.07	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Calcium, Total	2200		mg/kg	9.8	2.9	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.98	0.20	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Cobalt, Total	6.7		mg/kg	2.0	0.49	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Copper, Total	14		mg/kg	0.98	0.20	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.9	2.0	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Lead, Total	14		mg/kg	4.9	0.20	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	9.8	0.98	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Manganese, Total	240		mg/kg	0.98	0.20	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/09/14 08:08	08/11/14 16:34	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.4	0.39	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Potassium, Total	2200		mg/kg	240	39.	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.29	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.98	0.20	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Sodium, Total	250		mg/kg	200	29.	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.98	0.10	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT
Zinc, Total	30		mg/kg	4.9	0.69	2	08/08/14 20:33	08/11/14 15:54	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-02
 Client ID: FIELD BLANK-8-7-14
 Sample Location: 520 W 28TH ST., NYC
 Matrix: Water

Date Collected: 08/07/14 09:00
 Date Received: 08/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Antimony, Total	0.00058	J	mg/l	0.00300	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00011	J	mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Barium, Total	0.00013	J	mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Chromium, Total	0.00025	J	mg/l	0.00100	0.00020	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Copper, Total	0.00175	J	mg/l	0.00200	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Magnesium, Total	0.00271	J	mg/l	0.0700	0.00243	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/13/14 15:06	08/13/14 17:46	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL
Zinc, Total	0.01135		mg/l	0.01000	0.00120	1	08/08/14 09:29	08/12/14 10:48	EPA 3005A	1,6020A	KL



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-04
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Percent Solids: 78%

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	9.9	2.0	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.0	0.79	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Arsenic, Total	5.2		mg/kg	0.99	0.20	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Barium, Total	83		mg/kg	0.99	0.30	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Beryllium, Total	0.60		mg/kg	0.50	0.10	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.99	0.07	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Calcium, Total	3500		mg/kg	9.9	3.0	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Chromium, Total	17		mg/kg	0.99	0.20	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Cobalt, Total	6.8		mg/kg	2.0	0.50	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Copper, Total	14		mg/kg	0.99	0.20	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	5.0	2.0	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Lead, Total	11		mg/kg	5.0	0.20	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	9.9	0.99	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Manganese, Total	1400		mg/kg	0.99	0.20	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/09/14 08:08	08/11/14 16:36	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.5	0.40	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Potassium, Total	2200		mg/kg	250	40.	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.30	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.99	0.20	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Sodium, Total	250		mg/kg	200	30.	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.99	0.10	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT
Zinc, Total	29		mg/kg	5.0	0.69	2	08/08/14 20:33	08/11/14 16:05	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02 Batch: WG712243-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Antimony, Total	0.00036	J	mg/l	0.00300	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Copper, Total	0.00160	J	mg/l	0.00200	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Vanadium, Total	0.00013	J	mg/l	0.00500	0.00010	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL
Zinc, Total	0.00123	J	mg/l	0.01000	0.00120	1	08/08/14 09:29	08/12/14 10:33	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG712440-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Copper, Total	0.08	J	mg/kg	0.40	0.08	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/08/14 20:33	08/11/14 14:59	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG712514-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/09/14 08:08	08/11/14 15:51	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02 Batch: WG713599-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/13/14 15:06	08/13/14 17:42	1,7470A	AK



Project Name: 520 WEST 28TH STREET

Lab Number: L1417834

Project Number: E040

Report Date: 08/18/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG712243-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	104		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	101		-		80-120	-		
Cadmium, Total	110		-		80-120	-		
Calcium, Total	100		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Cobalt, Total	103		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	102		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	108		-		80-120	-		
Manganese, Total	101		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	80		-		80-120	-		
Selenium, Total	110		-		80-120	-		
Silver, Total	99		-		80-120	-		
Sodium, Total	98		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1417834**Report Date:** 08/18/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG712243-2					
Zinc, Total	108	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG712440-2 SRM Lot Number: D077-540					
Aluminum, Total	76	-	48-152	-	
Antimony, Total	158	-	1-219	-	
Arsenic, Total	107	-	83-117	-	
Barium, Total	98	-	83-117	-	
Beryllium, Total	109	-	84-116	-	
Cadmium, Total	97	-	84-115	-	
Calcium, Total	99	-	83-117	-	
Chromium, Total	101	-	82-118	-	
Cobalt, Total	107	-	83-117	-	
Copper, Total	102	-	82-118	-	
Iron, Total	100	-	50-149	-	
Lead, Total	101	-	81-119	-	
Magnesium, Total	83	-	76-124	-	
Manganese, Total	100	-	82-117	-	
Nickel, Total	100	-	82-118	-	
Potassium, Total	93	-	73-127	-	
Selenium, Total	103	-	80-121	-	
Silver, Total	104	-	66-134	-	
Sodium, Total	100	-	74-126	-	
Thallium, Total	106	-	81-119	-	
Vanadium, Total	99	-	78-123	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG712440-2 SRM Lot Number: D077-540					
Zinc, Total	94	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG712514-2 SRM Lot Number: D077-540					
Mercury, Total	112	-	72-128	-	
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG713599-2					
Mercury, Total	82	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG712243-4 QC Sample: L1400008-29 Client ID: MS Sample												
Aluminum, Total	0.0228	2	2.24	111		-	-		75-125	-		20
Antimony, Total	0.00208J	0.5	0.5800	116		-	-		75-125	-		20
Arsenic, Total	0.00072	0.12	0.1402	116		-	-		75-125	-		20
Barium, Total	0.3081	2	2.620	113		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05454	109		-	-		75-125	-		20
Cadmium, Total	0.00012J	0.051	0.05426	106		-	-		75-125	-		20
Calcium, Total	85.4	10	108	226	Q	-	-		75-125	-		20
Chromium, Total	0.00052J	0.2	0.2260	113		-	-		75-125	-		20
Cobalt, Total	0.00058	0.5	0.5862	117		-	-		75-125	-		20
Copper, Total	0.00264	0.25	0.2866	113		-	-		75-125	-		20
Iron, Total	0.0470J	1	1.15	109		-	-		75-125	-		20
Lead, Total	ND	0.51	0.5736	112		-	-		75-125	-		20
Magnesium, Total	22.1	10	18.2	0	Q	-	-		75-125	-		20
Manganese, Total	1.888	0.5	2.580	138	Q	-	-		75-125	-		20
Nickel, Total	0.00106	0.5	0.5754	115		-	-		75-125	-		20
Potassium, Total	7.99	10	10.0	9	Q	-	-		75-125	-		20
Selenium, Total	ND	0.12	0.148	123		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05654	113		-	-		75-125	-		20
Sodium, Total	39.6	10	379	3340	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1295	108		-	-		75-125	-		20
Vanadium, Total	0.00032J	0.5	0.5882	118		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG712243-4 QC Sample: L1400008-29 Client ID: MS Sample									
Zinc, Total	0.02922	0.5	0.6154	116	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG712440-4 QC Sample: L1417098-01 Client ID: MS Sample									
Aluminum, Total	26000	157	25000	0	Q	-	75-125	-	20
Antimony, Total	76.	39.3	120	112		-	75-125	-	20
Arsenic, Total	16.	9.42	25	96		-	75-125	-	20
Barium, Total	320	157	440	76		-	75-125	-	20
Beryllium, Total	0.51	3.93	4.5	102		-	75-125	-	20
Cadmium, Total	3.1	4	6.8	92		-	75-125	-	20
Calcium, Total	18000	785	18000	0	Q	-	75-125	-	20
Chromium, Total	100	15.7	110	64	Q	-	75-125	-	20
Cobalt, Total	5.3	39.3	44	98		-	75-125	-	20
Copper, Total	580	19.6	590	51	Q	-	75-125	-	20
Iron, Total	22000	78.5	21000	0	Q	-	75-125	-	20
Lead, Total	120	40	160	100		-	75-125	-	20
Magnesium, Total	3600	785	4000	51	Q	-	75-125	-	20
Manganese, Total	1600	39.3	1600	0	Q	-	75-125	-	20
Nickel, Total	36.	39.3	71	89		-	75-125	-	20
Potassium, Total	1900	785	2600	89		-	75-125	-	20
Selenium, Total	6.4	9.42	17	112		-	75-125	-	20
Silver, Total	11.	23.6	34	98		-	75-125	-	20
Sodium, Total	850	785	1600	96		-	75-125	-	20
Thallium, Total	ND	9.42	5.2	55	Q	-	75-125	-	20
Vanadium, Total	20.	39.3	57	94		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG712440-4 QC Sample: L1417098-01 Client ID: MS Sample									
Zinc, Total	1000	39.3	1000	0	Q	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG712514-3 WG712514-4 QC Sample: L1417931-06 Client ID: MS Sample									
Mercury, Total	ND	0.148	0.20	135	Q	0.19	80-120	5	20
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG713599-4 QC Sample: L1417834-02 Client ID: FIELD BLANK-8-7-14									
Mercury, Total	ND	0.005	0.00463	93	-	-	75-125	-	20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1417834
Report Date: 08/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG712243-3 QC Sample: L1400008-29 Client ID: DUP Sample						
Aluminum, Total	0.0228	ND	mg/l	NC		20
Antimony, Total	0.00208J	0.00412J	mg/l	NC		20
Arsenic, Total	0.00072	ND	mg/l	NC		20
Barium, Total	0.3081	0.3990	mg/l	26	Q	20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.00012J	ND	mg/l	NC		20
Chromium, Total	0.00052J	ND	mg/l	NC		20
Cobalt, Total	0.00058	ND	mg/l	NC		20
Copper, Total	0.00264	ND	mg/l	NC		20
Iron, Total	0.0470J	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.00106	ND	mg/l	NC		20
Potassium, Total	7.99	10.1	mg/l	23	Q	20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	39.6	375	mg/l	162	Q	20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	0.00032J	0.00288J	mg/l	NC		20
Zinc, Total	0.02922	0.04302J	mg/l	NC		20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1417834
Report Date: 08/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG712243-3 QC Sample: L1400008-29 Client ID: DUP Sample					
Calcium, Total	85.4	77.7	mg/l	9	20
Magnesium, Total	22.1	22.4	mg/l	1	20
Manganese, Total	1.888	1.848	mg/l	2	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG712440-3 QC Sample: L1417098-01 Client ID: DUP Sample					
Arsenic, Total	16.	15	mg/kg	6	20
Cadmium, Total	3.1	3.2	mg/kg	3	20
Chromium, Total	100	97	mg/kg	3	20
Copper, Total	580	540	mg/kg	7	20
Iron, Total	22000	21000	mg/kg	5	20
Lead, Total	120	120	mg/kg	0	20
Nickel, Total	36.	37	mg/kg	3	20
Potassium, Total	1900	1800	mg/kg	5	20
Selenium, Total	6.4	6.2	mg/kg	3	20
Zinc, Total	1000	980	mg/kg	2	20
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG713599-3 QC Sample: L1417834-02 Client ID: FIELD BLANK-8-7-14					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-01

Client ID: B2-EP-EL-5.75

Sample Location: 520 W 28TH ST., NYC

Matrix: Soil

Date Collected: 08/07/14 08:15

Date Received: 08/07/14

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	79.3		%	0.100	NA	1	-	08/08/14 02:36	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

SAMPLE RESULTS

Lab ID: L1417834-04
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil

Date Collected: 08/07/14 00:00
Date Received: 08/07/14
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	78.4		%	0.100	NA	1	-	08/08/14 02:36	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1417834
Report Date: 08/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG712164-1 QC Sample: L1417686-01 Client ID: DUP Sample						
Solids, Total	90.2	90.1	%	0		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/08/2014 02:28

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1417834-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1417834-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1417834-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1417834-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1417834-01E	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1417834-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1417834-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1417834-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1417834-02A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1417834-02B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1417834-02C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1417834-02D	Plastic 500ml HNO3 preserved	A	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L1417834-02E	Plastic 250ml unpreserved split	A	7	2.8	Y	Absent	-
L1417834-02F	Plastic 250ml NaOH preserved spl	A	>12	2.8	Y	Absent	-

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417834

Report Date: 08/18/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1417834-02G	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1417834-02H	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1417834-02I	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1417834-02K	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	-
L1417834-02M	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1417834-02N	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1417834-03A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1417834-03B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1417834-04A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1417834-04B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1417834-04C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1417834-04D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1417834-04E	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1417834-04X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1417834-04Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1417834-04Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

Container Comments

L1417834-01E

L1417834-04E

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417834
Report Date: 08/18/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1417610
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	08/13/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1417610-01	C2/C3.EP.EL-5.75	SOIL	520 W 28TH ST., NYC	08/05/14 14:15	08/06/14
L1417610-02	TRIP BLANK.8-5-14	WATER	520 W 28TH ST., NYC	08/05/14 00:00	08/06/14

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

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.

Volatile Organics

The WG713093-5 MSD recovery, performed on L1417610-01, is outside the acceptance criteria for 2-hexanone (68%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Metals

L1417610-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG712114-3/-4 MS/MSD recoveries for aluminum (813%/766%), iron (1020%/1020%), and manganese (0%/0%), performed on L1417610-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG712114-3/-4 MS/MSD recoveries, performed on L1417610-01, are outside the acceptance criteria for magnesium (142%/133%) and potassium (MS at 132%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (132%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG712508-3/-4 MS/MSD recoveries, performed on L1417610-01, is outside the acceptance criteria for mercury (125%/125%). A post digestion spike was performed and was within acceptance criteria.

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:

 Cristin Walker

Title: Technical Director/Representative

Date: 08/13/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417610**Project Number:** E040**Report Date:** 08/13/14**SAMPLE RESULTS**

Lab ID: L1417610-01
Client ID: C2/C3.EP.EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/14 13:34
Analyst: BN
Percent Solids: 79%

Date Collected: 08/05/14 14:15
Date Received: 08/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.3	0.37	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.19	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-01

Date Collected: 08/05/14 14:15

Client ID: C2/C3.EP.EL-5.75

Date Received: 08/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.11	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.22	1
Xylene (Total)	ND		ug/kg	2.5	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
1,2-Dichloroethene (total)	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	8.2	J	ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.34	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.20	1
2-Hexanone	ND		ug/kg	13	0.84	1
Bromochloromethane	ND		ug/kg	6.3	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.14	1
sec-Butylbenzene	ND		ug/kg	1.3	0.15	1
tert-Butylbenzene	ND		ug/kg	6.3	0.17	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.50	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.3	0.18	1
Acrylonitrile	ND		ug/kg	13	0.65	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-01
Client ID: C2/C3.EP.EL-5.75
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/05/14 14:15
Date Received: 08/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,4-Dioxane	ND		ug/kg	130	18.	1
1,4-Diethylbenzene	ND		ug/kg	5.1	0.20	1
4-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-02
Client ID: TRIP BLANK.8-5-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/08/14 17:30
Analyst: PD

Date Collected: 08/05/14 00:00
Date Received: 08/06/14
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
1,3-Dichloropropene, Total	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	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-02

Date Collected: 08/05/14 00:00

Client ID: TRIP BLANK.8-5-14

Date Received: 08/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-02
Client ID: TRIP BLANK.8-5-14
Sample Location: 520 W 28TH ST., NYC

Date Collected: 08/05/14 00:00
Date Received: 08/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	115		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/08/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG712652-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/08/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG712652-3					
Trichloroethene	ND		ug/l	0.50	0.18
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
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
Acrolein	ND		ug/l	5.0	0.63
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/08/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG712652-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/08/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG712652-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/11/14 09:08
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG713093-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/11/14 09:08
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG713093-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/11/14 09:08
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG713093-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417610**Project Number:** E040**Report Date:** 08/13/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/14 09:08
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG713093-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

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: WG712652-1 WG712652-2								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	94		94		70-130	0		20
Chloroform	98		96		70-130	2		20
2-Chloroethylvinyl ether	78		82		70-130	5		20
Carbon tetrachloride	98		97		63-132	1		20
1,2-Dichloropropane	91		92		70-130	1		20
Dibromochloromethane	91		92		63-130	1		20
1,1,2-Trichloroethane	98		98		70-130	0		20
Tetrachloroethene	100		97		70-130	3		20
Chlorobenzene	96		95		75-130	1		20
Trichlorofluoromethane	99		98		62-150	1		20
1,2-Dichloroethane	95		95		70-130	0		20
1,1,1-Trichloroethane	99		97		67-130	2		20
Bromodichloromethane	93		93		67-130	0		20
trans-1,3-Dichloropropene	91		92		70-130	1		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	99		98		70-130	1		20
Bromoform	91		95		54-136	4		20
1,1,2,2-Tetrachloroethane	93		96		67-130	3		20
Benzene	99		98		70-130	1		20
Toluene	95		93		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

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: WG712652-1 WG712652-2								
Ethylbenzene	99		98		70-130	1		20
Chloromethane	91		89		64-130	2		20
Bromomethane	127		124		39-139	2		20
Vinyl chloride	84		82		55-140	2		20
Chloroethane	82		83		55-138	1		20
1,1-Dichloroethene	89		88		61-145	1		20
trans-1,2-Dichloroethene	98		98		70-130	0		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	97		96		70-130	1		20
1,4-Dichlorobenzene	94		94		70-130	0		20
Methyl tert butyl ether	94		97		63-130	3		20
p/m-Xylene	105		104		70-130	1		20
o-Xylene	107		105		70-130	2		20
cis-1,2-Dichloroethene	99		98		70-130	1		20
Dibromomethane	95		98		70-130	3		20
1,2,3-Trichloropropane	99		101		64-130	2		20
Acrylonitrile	90		94		70-130	4		20
Diisopropyl Ether	92		93		70-130	1		20
Tert-Butyl Alcohol	95		102		70-130	7		20
Styrene	104		103		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

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: WG712652-1 WG712652-2								
Dichlorodifluoromethane	116		112		36-147	4		20
Acetone	94		101		58-148	7		20
Carbon disulfide	84		83		51-130	1		20
2-Butanone	109		113		63-138	4		20
Vinyl acetate	90		93		70-130	3		20
4-Methyl-2-pentanone	84		88		59-130	5		20
2-Hexanone	71		75		57-130	5		20
Acrolein	68		68		40-160	0		20
Bromochloromethane	108		106		70-130	2		20
2,2-Dichloropropane	100		98		63-133	2		20
1,2-Dibromoethane	94		96		70-130	2		20
1,3-Dichloropropane	93		94		70-130	1		20
1,1,1,2-Tetrachloroethane	95		95		64-130	0		20
Bromobenzene	97		97		70-130	0		20
n-Butylbenzene	101		99		53-136	2		20
sec-Butylbenzene	102		102		70-130	0		20
tert-Butylbenzene	102		102		70-130	0		20
o-Chlorotoluene	99		98		70-130	1		20
p-Chlorotoluene	98		99		70-130	1		20
1,2-Dibromo-3-chloropropane	91		94		41-144	3		20
Hexachlorobutadiene	95		91		63-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

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: WG712652-1 WG712652-2								
Isopropylbenzene	103		102		70-130	1		20
p-Isopropyltoluene	100		99		70-130	1		20
Naphthalene	77		79		70-130	3		20
n-Propylbenzene	102		100		69-130	2		20
1,2,3-Trichlorobenzene	91		93		70-130	2		20
1,2,4-Trichlorobenzene	86		86		70-130	0		20
1,3,5-Trimethylbenzene	102		102		64-130	0		20
1,2,4-Trimethylbenzene	103		102		70-130	1		20
Methyl Acetate	88		90		70-130	2		20
Ethyl Acetate	90		91		70-130	1		20
Cyclohexane	97		95		70-130	2		20
Ethyl-Tert-Butyl-Ether	98		99		70-130	1		20
Tertiary-Amyl Methyl Ether	91		94		66-130	3		20
1,4-Dioxane	94		97		56-162	3		20
Freon-113	94		94		70-130	0		20
p-Diethylbenzene	95		94		70-130	1		20
p-Ethyltoluene	103		102		70-130	1		20
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		20
Ethyl ether	80		84		59-134	5		20
trans-1,4-Dichloro-2-butene	86		89		70-130	3		20
Iodomethane	109		113		70-130	4		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1417610**Report Date:** 08/13/14

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: WG712652-1 WG712652-2								
Methyl cyclohexane	102		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG713093-1 WG713093-2								
Methylene chloride	110		112		70-130	2		30
1,1-Dichloroethane	102		99		70-130	3		30
Chloroform	106		106		70-130	0		30
Carbon tetrachloride	106		98		70-130	8		30
1,2-Dichloropropane	102		102		70-130	0		30
Dibromochloromethane	104		108		70-130	4		30
2-Chloroethylvinyl ether	101		107		70-130	6		30
1,1,2-Trichloroethane	113		112		70-130	1		30
Tetrachloroethene	117		111		70-130	5		30
Chlorobenzene	102		101		70-130	1		30
Trichlorofluoromethane	116		109		70-139	6		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	105		99		70-130	6		30
Bromodichloromethane	106		110		70-130	4		30
trans-1,3-Dichloropropene	109		119		70-130	9		30
cis-1,3-Dichloropropene	109		112		70-130	3		30
1,1-Dichloropropene	111		101		70-130	9		30
Bromoform	100		108		70-130	8		30
1,1,2,2-Tetrachloroethane	104		104		70-130	0		30
Benzene	109		107		70-130	2		30
Toluene	104		101		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG713093-1 WG713093-2								
Ethylbenzene	105		101		70-130	4		30
Chloromethane	93		86		52-130	8		30
Bromomethane	102		99		57-147	3		30
Vinyl chloride	96		86		67-130	11		30
Chloroethane	100		101		50-151	1		30
1,1-Dichloroethene	113		104		65-135	8		30
trans-1,2-Dichloroethene	111		108		70-130	3		30
Trichloroethene	110		104		70-130	6		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	105		104		70-130	1		30
1,4-Dichlorobenzene	103		191	Q	70-130	60	Q	30
Methyl tert butyl ether	105		108		66-130	3		30
p/m-Xylene	111		108		70-130	3		30
o-Xylene	116		128		70-130	10		30
cis-1,2-Dichloroethene	110		110		70-130	0		30
Dibromomethane	105		111		70-130	6		30
Styrene	120		122		70-130	2		30
Dichlorodifluoromethane	114		96		30-146	17		30
Acetone	80		80		54-140	0		30
Carbon disulfide	106		99		59-130	7		30
2-Butanone	86		87		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG713093-1 WG713093-2								
Vinyl acetate	88		89		70-130	1		30
4-Methyl-2-pentanone	97		100		70-130	3		30
1,2,3-Trichloropropane	98		101		68-130	3		30
2-Hexanone	77		82		70-130	6		30
Bromochloromethane	110		112		70-130	2		30
2,2-Dichloropropane	108		101		70-130	7		30
1,2-Dibromoethane	105		108		70-130	3		30
1,3-Dichloropropane	106		106		69-130	0		30
1,1,1,2-Tetrachloroethane	102		104		70-130	2		30
Bromobenzene	103		103		70-130	0		30
n-Butylbenzene	104		96		70-130	8		30
sec-Butylbenzene	107		100		70-130	7		30
tert-Butylbenzene	102		98		70-130	4		30
o-Chlorotoluene	105		104		70-130	1		30
p-Chlorotoluene	103		127		70-130	21		30
1,2-Dibromo-3-chloropropane	94		100		68-130	6		30
Hexachlorobutadiene	98		93		67-130	5		30
Isopropylbenzene	106		101		70-130	5		30
p-Isopropyltoluene	102		151	Q	70-130	39	Q	30
Naphthalene	94		98		70-130	4		30
Acrylonitrile	93		98		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG713093-1 WG713093-2								
Diisopropyl Ether	92		90		66-130	2		30
Tert-Butyl Alcohol	89		95		70-130	7		30
n-Propylbenzene	104		104		70-130	0		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		104		70-130	2		30
1,3,5-Trimethylbenzene	106		103		70-130	3		30
1,2,4-Trimethylbenzene	106		103		70-130	3		30
Methyl Acetate	83		85		51-146	2		30
Ethyl Acetate	85		85		70-130	0		30
Acrolein	93		98		70-130	5		30
Cyclohexane	103		88		59-142	16		30
1,4-Dioxane	93		104		65-136	11		30
Freon-113	117		103		50-139	13		30
p-Diethylbenzene	104		99		70-130	5		30
p-Ethyltoluene	107		205	Q	70-130	63	Q	30
1,2,4,5-Tetramethylbenzene	103		103		70-130	0		30
Tetrahydrofuran	86		84		66-130	2		30
Ethyl ether	112		80		67-130	33	Q	30
trans-1,4-Dichloro-2-butene	82		86		70-130	5		30
Methyl cyclohexane	117		110		70-130	6		30
Ethyl-Tert-Butyl-Ether	99		101		70-130	2		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Lab Number:** L1417610**Project Number:** E040**Report Date:** 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG713093-1 WG713093-2								
Tertiary-Amyl Methyl Ether	107		111		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	98		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG713093-4 WG713093-5 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-5.75												
Methylene chloride	ND	25.3	26	102		26	102		70-130	0		30
1,1-Dichloroethane	ND	25.3	23	92		23	91		70-130	1		30
Chloroform	ND	25.3	25	98		24	95		70-130	3		30
Carbon tetrachloride	ND	25.3	25	98		24	96		70-130	2		30
1,2-Dichloropropane	ND	25.3	24	94		23	89		70-130	6		30
Dibromochloromethane	ND	25.3	25	99		24	93		70-130	6		30
1,1,2-Trichloroethane	ND	25.3	26	103		25	100		70-130	3		30
Tetrachloroethene	ND	25.3	27	107		26	103		70-130	4		30
Chlorobenzene	ND	25.3	24	93		22	88		70-130	5		30
Trichlorofluoromethane	ND	25.3	27	106		28	109		70-139	2		30
1,2-Dichloroethane	ND	25.3	23	89		22	86		70-130	4		30
1,1,1-Trichloroethane	ND	25.3	26	104		25	97		70-130	7		30
Bromodichloromethane	ND	25.3	25	100		24	96		70-130	5		30
trans-1,3-Dichloropropene	ND	25.3	25	100		24	94		70-130	6		30
cis-1,3-Dichloropropene	ND	25.3	25	100		24	96		70-130	5		30
1,1-Dichloropropene	ND	25.3	26	102		25	99		70-130	3		30
Bromoform	ND	25.3	24	96		23	92		70-130	4		30
1,1,2,2-Tetrachloroethane	ND	25.3	24	93		22	88		70-130	5		30
Benzene	ND	25.3	25	100		24	96		70-130	4		30
Toluene	ND	25.3	24	95		23	90		70-130	6		30
Ethylbenzene	ND	25.3	24	96		23	91		70-130	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG713093-4 WG713093-5 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-5.75												
Chloromethane	ND	25.3	22	88		22	86		52-130	3		30
Bromomethane	ND	25.3	23	89		22	88		57-147	0		30
Vinyl chloride	ND	25.3	21	81		21	81		67-130	0		30
Chloroethane	ND	25.3	21	83		22	86		50-151	4		30
1,1-Dichloroethene	ND	25.3	26	102		25	100		65-135	2		30
trans-1,2-Dichloroethene	ND	25.3	25	100		25	98		70-130	2		30
Trichloroethene	ND	25.3	26	104		25	100		70-130	4		30
1,2-Dichlorobenzene	ND	25.3	23	89		22	86		70-130	4		30
1,3-Dichlorobenzene	ND	25.3	24	93		23	90		70-130	3		30
1,4-Dichlorobenzene	ND	25.3	23	92		22	88		70-130	4		30
Methyl tert butyl ether	ND	25.3	23	92		23	92		66-130	0		30
p/m-Xylene	ND	50.6	51	101		49	96		70-130	4		30
o-Xylene	ND	50.6	54	107		52	102		70-130	5		30
cis-1,2-Dichloroethene	ND	25.3	25	100		25	97		70-130	3		30
Dibromomethane	ND	25.3	26	101		24	94		70-130	7		30
Styrene	ND	50.6	55	109		53	104		70-130	4		30
Dichlorodifluoromethane	ND	25.3	27	105		26	103		30-146	2		30
Acetone	8.2J	25.3	23	92		25	98		54-140	6		30
Carbon disulfide	ND	25.3	24	96		24	94		59-130	1		30
2-Butanone	ND	25.3	22	87		21	83		70-130	5		30
Vinyl acetate	ND	25.3	19	74		18	70		70-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG713093-4 WG713093-5 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-5.75												
4-Methyl-2-pentanone	ND	25.3	23	91		22	86		70-130	5		30
1,2,3-Trichloropropane	ND	25.3	24	93		23	90		68-130	3		30
2-Hexanone	ND	25.3	18	73		17	68	Q	70-130	6		30
Bromochloromethane	ND	25.3	25	100		25	98		70-130	2		30
2,2-Dichloropropane	ND	25.3	24	96		23	92		70-130	4		30
1,2-Dibromoethane	ND	25.3	25	97		23	92		70-130	5		30
1,3-Dichloropropane	ND	25.3	25	97		23	92		69-130	6		30
1,1,1,2-Tetrachloroethane	ND	25.3	24	95		23	91		70-130	4		30
Bromobenzene	ND	25.3	24	94		23	90		70-130	4		30
n-Butylbenzene	ND	25.3	22	86		22	86		70-130	0		30
sec-Butylbenzene	ND	25.3	23	92		23	90		70-130	1		30
tert-Butylbenzene	ND	25.3	23	90		22	88		70-130	2		30
o-Chlorotoluene	ND	25.3	24	93		23	90		70-130	3		30
p-Chlorotoluene	ND	25.3	23	92		23	89		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	25.3	23	89		21	84		68-130	5		30
Hexachlorobutadiene	ND	25.3	18	69		19	74		67-130	6		30
Isopropylbenzene	ND	25.3	24	94		23	91		70-130	3		30
p-Isopropyltoluene	ND	25.3	22	88		22	87		70-130	1		30
Naphthalene	ND	25.3	22	86		21	82		70-130	5		30
Acrylonitrile	ND	25.3	21	83		21	83		70-130	0		30
n-Propylbenzene	ND	25.3	23	91		22	88		70-130	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG713093-4 WG713093-5 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-5.75												
1,2,3-Trichlorobenzene	ND	25.3	22	86		21	84		70-130	2		30
1,2,4-Trichlorobenzene	ND	25.3	22	86		21	84		70-130	2		30
1,3,5-Trimethylbenzene	ND	25.3	24	95		23	92		70-130	3		30
1,2,4-Trimethylbenzene	ND	25.3	24	93		23	90		70-130	3		30
1,4-Dioxane	ND	1260	1200	96		1200	93		65-136	3		30
1,4-Diethylbenzene	ND	25.3	23	90		22	88		70-130	2		30
4-Ethyltoluene	ND	25.3	24	95		23	92		70-130	3		30
1,2,4,5-Tetramethylbenzene	ND	25.3	22	87		22	85		70-130	2		30
Ethyl ether	ND	25.3	24	96		25	99		67-130	4		30
trans-1,4-Dichloro-2-butene	ND	25.3	19	76		18	70		70-130	9		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	93		93		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	99		101		70-130
Toluene-d8	100		98		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417610**Project Number:** E040**Report Date:** 08/13/14**SAMPLE RESULTS**

Lab ID: L1417610-01
Client ID: C2/C3.EP.EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/14 19:22
Analyst: JB
Percent Solids: 79%

Date Collected: 08/05/14 14:15
Date Received: 08/06/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	210	67.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	44.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	54	J	ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	180	55.	1
Naphthalene	ND		ug/kg	210	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-01

Date Collected: 08/05/14 14:15

Client ID: C2/C3.EP.EL-5.75

Date Received: 08/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	39.	1
Anthracene	37	J	ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	120		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	54.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	64.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	44.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417610**Project Number:** E040**Report Date:** 08/13/14**SAMPLE RESULTS**

Lab ID: L1417610-01

Date Collected: 08/05/14 14:15

Client ID: C2/C3.EP.EL-5.75

Date Received: 08/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	45		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	65		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/08/14 16:48
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 08/07/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG711906-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/08/14 16:48
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 08/07/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG711906-1					
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/08/14 16:48
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 08/07/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG711906-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Tentatively Identified Compounds

Unknown 330 J ug/kg

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417610**Project Number:** E040**Report Date:** 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/08/14 16:48
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 08/07/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG711906-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG711906-2 WG711906-3								
Acenaphthene	71		72		31-137	1		50
Benzidine	34		33			3		50
n-Nitrosodimethylamine	53		53			0		50
1,2,4-Trichlorobenzene	63		65		38-107	3		50
Hexachlorobenzene	81		87		40-140	7		50
Bis(2-chloroethyl)ether	50		54		40-140	8		50
2-Chloronaphthalene	69		71		40-140	3		50
1,2-Dichlorobenzene	59		59		40-140	0		50
1,3-Dichlorobenzene	58		59		40-140	2		50
1,4-Dichlorobenzene	57		59		28-104	3		50
3,3'-Dichlorobenzidine	52		54		40-140	4		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	78		85		40-140	9		50
Fluoranthene	79		86		40-140	8		50
4-Chlorophenyl phenyl ether	77		80		40-140	4		50
4-Bromophenyl phenyl ether	82		88		40-140	7		50
Azobenzene	64		68		40-140	6		50
Bis(2-chloroisopropyl)ether	47		48		40-140	2		50
Bis(2-chloroethoxy)methane	52		55		40-117	6		50
Hexachlorobutadiene	61		64		40-140	5		50
Hexachlorocyclopentadiene	54		59		40-140	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG711906-2 WG711906-3								
Hexachloroethane	51		53		40-140	4		50
Isophorone	57		59		40-140	3		50
Naphthalene	61		63		40-140	3		50
Nitrobenzene	54		57		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	78		83			6		50
n-Nitrosodi-n-propylamine	54		54		32-121	0		50
Bis(2-Ethylhexyl)phthalate	79		82		40-140	4		50
Butyl benzyl phthalate	74		81		40-140	9		50
Di-n-butylphthalate	75		82		40-140	9		50
Di-n-octylphthalate	81		84		40-140	4		50
Diethyl phthalate	75		79		40-140	5		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	83		85		40-140	2		50
Benzo(a)pyrene	83		88		40-140	6		50
Benzo(b)fluoranthene	84		87		40-140	4		50
Benzo(k)fluoranthene	87		93		40-140	7		50
Chrysene	83		85		40-140	2		50
Acenaphthylene	72		76		40-140	5		50
Anthracene	80		85		40-140	6		50
Benzo(ghi)perylene	77		83		40-140	8		50
Fluorene	76		80		40-140	5		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG711906-2 WG711906-3								
Phenanthrene	80		84		40-140	5		50
Dibenzo(a,h)anthracene	80		85		40-140	6		50
Indeno(1,2,3-cd)Pyrene	78		86		40-140	10		50
Pyrene	79		84		35-142	6		50
Biphenyl	69		69			0		50
Aniline	40		39	Q	40-140	3		50
4-Chloroaniline	68		67		40-140	1		50
2-Nitroaniline	76		85		47-134	11		50
3-Nitroaniline	64		66		26-129	3		50
4-Nitroaniline	78		85		41-125	9		50
Dibenzofuran	71		76		40-140	7		50
2-Methylnaphthalene	63		64		40-140	2		50
1,2,4,5-Tetrachlorobenzene	64		65		40-117	2		50
Acetophenone	60		62		14-144	3		50
2,4,6-Trichlorophenol	75		79		30-130	5		50
P-Chloro-M-Cresol	68		74		26-103	8		50
2-Chlorophenol	58		61		25-102	5		50
2,4-Dichlorophenol	67		70		30-130	4		50
2,4-Dimethylphenol	60		62		30-130	3		50
2-Nitrophenol	63		62		30-130	2		50
4-Nitrophenol	82		82		11-114	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG711906-2 WG711906-3								
2,4-Dinitrophenol	53		64		4-130	19		50
4,6-Dinitro-o-cresol	76		83		10-130	9		50
Pentachlorophenol	69		76		17-109	10		50
Phenol	56		58		26-90	4		50
2-Methylphenol	59		59		30-130	0		50
3-Methylphenol/4-Methylphenol	61		62		30-130	2		50
2,4,5-Trichlorophenol	77		85		30-130	10		50
Benzoic Acid	30		36			18		50
Benzyl Alcohol	56		60		40-140	7		50
Carbazole	78		84		54-128	7		50
Benzaldehyde	51		55			8		50
Caprolactam	67		76			13		50
Atrazine	78		82			5		50
2,3,4,6-Tetrachlorophenol	78		85			9		50
Pyridine	41		46		10-93	11		50
Parathion, ethyl	64		69		40-140	8		50
1-Methylnaphthalene	60		64		26-130	6		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1417610**Report Date:** 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG711906-2 WG711906-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		55		25-120
Phenol-d6	56		55		10-120
Nitrobenzene-d5	51		52		23-120
2-Fluorobiphenyl	66		66		30-120
2,4,6-Tribromophenol	82		84		0-136
4-Terphenyl-d14	76		79		18-120

PCBS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-01
Client ID: C2/C3.EP.EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/09/14 11:30
Analyst: JT
Percent Solids: 79%

Date Collected: 08/05/14 14:15
Date Received: 08/06/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/14 16:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.7	3.22	1	A
Aroclor 1221	ND		ug/kg	40.7	3.76	1	A
Aroclor 1232	ND		ug/kg	40.7	4.77	1	A
Aroclor 1242	ND		ug/kg	40.7	4.98	1	A
Aroclor 1248	ND		ug/kg	40.7	3.44	1	A
Aroclor 1254	ND		ug/kg	40.7	3.35	1	A
Aroclor 1260	ND		ug/kg	40.7	3.10	1	A
Aroclor 1262	ND		ug/kg	40.7	2.02	1	A
Aroclor 1268	ND		ug/kg	40.7	5.90	1	A
PCBs, Total	ND		ug/kg	40.7	2.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1417610**Project Number:** E040**Report Date:** 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/08/14 08:23
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 08/07/14 16:23
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/08/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG712070-1						
Aroclor 1016	ND		ug/kg	32.7	2.58	A
Aroclor 1221	ND		ug/kg	32.7	3.02	A
Aroclor 1232	ND		ug/kg	32.7	3.84	A
Aroclor 1242	ND		ug/kg	32.7	4.00	A
Aroclor 1248	ND		ug/kg	32.7	2.76	A
Aroclor 1254	ND		ug/kg	32.7	2.69	A
Aroclor 1260	ND		ug/kg	32.7	2.49	A
Aroclor 1262	ND		ug/kg	32.7	1.62	A
Aroclor 1268	ND		ug/kg	32.7	4.74	A
PCBs, Total	ND		ug/kg	32.7	1.62	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG712070-2 WG712070-3									
Aroclor 1016	90		83		40-140	8		50	A
Aroclor 1260	98		92		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		90		30-150	A
Decachlorobiphenyl	91		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		82		30-150	B
Decachlorobiphenyl	92		84		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-01
Client ID: C2/C3.EP.EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/14 00:41
Analyst: TQ
Percent Solids: 79%

Date Collected: 08/05/14 14:15
Date Received: 08/06/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/14 18:07
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.800	0.357	1	A
Alpha-BHC	ND		ug/kg	0.800	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.728	1	A
Heptachlor	ND		ug/kg	0.960	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.676	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.800	0.328	1	A
Dieldrin	ND		ug/kg	1.20	0.600	1	A
4,4'-DDE	ND		ug/kg	1.92	0.444	1	A
4,4'-DDD	8.34		ug/kg	1.92	0.684	1	B
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.800	0.381	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
cis-Chlordane	ND		ug/kg	2.40	0.668	1	A
trans-Chlordane	ND		ug/kg	2.40	0.633	1	A
Chlordane	ND		ug/kg	15.6	6.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/09/14 00:01
 Analyst: TQ

Extraction Method: EPA 3546
 Extraction Date: 08/07/14 18:07
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG712093-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.648	0.290	A
Alpha-BHC	ND		ug/kg	0.648	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.590	A
Heptachlor	ND		ug/kg	0.778	0.349	A
Aldrin	ND		ug/kg	1.56	0.548	A
Heptachlor epoxide	ND		ug/kg	2.92	0.875	A
Endrin	ND		ug/kg	0.648	0.266	A
Dieldrin	ND		ug/kg	0.973	0.486	A
4,4'-DDE	ND		ug/kg	1.56	0.360	A
4,4'-DDD	ND		ug/kg	1.56	0.555	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.520	A
Endosulfan sulfate	ND		ug/kg	0.648	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.908	A
cis-Chlordane	ND		ug/kg	1.94	0.542	A
trans-Chlordane	ND		ug/kg	1.94	0.514	A
Chlordane	ND		ug/kg	12.6	5.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG712093-2 WG712093-3									
Delta-BHC	85		88		30-150	3		30	A
Lindane	103		105		30-150	2		30	A
Alpha-BHC	93		97		30-150	4		30	A
Beta-BHC	123		135		30-150	9		30	A
Heptachlor	110		114		30-150	4		30	A
Aldrin	106		108		30-150	2		30	A
Heptachlor epoxide	103		107		30-150	4		30	A
Endrin	114		116		30-150	2		30	A
Endrin ketone	80		83		30-150	4		30	A
Dieldrin	105		106		30-150	1		30	A
4,4'-DDE	100		102		30-150	2		30	A
4,4'-DDD	100		101		30-150	1		30	A
4,4'-DDT	108		111		30-150	3		30	A
Endosulfan I	104		109		30-150	5		30	A
Endosulfan II	96		96		30-150	0		30	A
Endosulfan sulfate	78		80		30-150	3		30	A
Methoxychlor	89		93		30-150	4		30	A
cis-Chlordane	106		107		30-150	1		30	A
trans-Chlordane	108		112		30-150	4		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG712093-2 WG712093-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		93		30-150	A
Decachlorobiphenyl	87		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		95		30-150	B
Decachlorobiphenyl	89		87		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-01

Date Collected: 08/05/14 14:15

Client ID: C2/C3.EP.EL-5.75

Date Received: 08/06/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	9.9	2.0	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.79	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Arsenic, Total	4.2		mg/kg	0.99	0.20	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Barium, Total	46		mg/kg	0.99	0.30	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Beryllium, Total	0.47	J	mg/kg	0.49	0.10	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.99	0.07	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Calcium, Total	1700		mg/kg	9.9	3.0	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.99	0.20	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Cobalt, Total	5.0		mg/kg	2.0	0.49	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Copper, Total	7.6		mg/kg	0.99	0.20	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.9	2.0	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Lead, Total	8.3		mg/kg	4.9	0.20	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Magnesium, Total	2200		mg/kg	9.9	0.99	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Manganese, Total	380		mg/kg	0.99	0.20	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/09/14 08:08	08/11/14 14:19	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.5	0.39	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Potassium, Total	1800		mg/kg	250	39.	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.30	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.99	0.20	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Sodium, Total	170	J	mg/kg	200	30.	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	0.99	0.10	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT
Zinc, Total	23		mg/kg	4.9	0.69	2	08/07/14 21:25	08/08/14 15:29	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG712114-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/07/14 21:25	08/08/14 15:21	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG712508-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/09/14 08:08	08/11/14 14:11	1,7471B	MC



Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG712114-2 SRM Lot Number: D077-540								
Aluminum, Total	74		-		48-152	-		
Antimony, Total	150		-		1-219	-		
Arsenic, Total	101		-		83-117	-		
Barium, Total	94		-		83-117	-		
Beryllium, Total	100		-		84-116	-		
Cadmium, Total	97		-		84-115	-		
Calcium, Total	96		-		83-117	-		
Chromium, Total	101		-		82-118	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	102		-		82-118	-		
Iron, Total	92		-		50-149	-		
Lead, Total	99		-		81-119	-		
Magnesium, Total	86		-		76-124	-		
Manganese, Total	98		-		82-117	-		
Nickel, Total	101		-		82-118	-		
Potassium, Total	89		-		73-127	-		
Selenium, Total	103		-		80-121	-		
Silver, Total	99		-		66-134	-		
Sodium, Total	94		-		74-126	-		
Thallium, Total	101		-		81-119	-		
Vanadium, Total	98		-		78-123	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG712114-2 SRM Lot Number: D077-540					
Zinc, Total	98	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG712508-2 SRM Lot Number: D077-540					
Mercury, Total	116	-	72-128	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1417610

Project Number: E040

Report Date: 08/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 5.75 QC Batch ID: WG712114-3 WG712114-4 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-												
Aluminum, Total	4700	197	6300	813	Q	6200	766	Q	75-125	2		20
Antimony, Total	ND	49.2	39	79		40	82		75-125	3		20
Arsenic, Total	4.2	11.8	15	91		15	92		75-125	0		20
Barium, Total	46.	197	230	93		230	94		75-125	0		20
Beryllium, Total	0.47J	4.92	5.0	102		5.1	104		75-125	2		20
Cadmium, Total	ND	5.02	4.5	90		4.6	92		75-125	2		20
Calcium, Total	1700	984	2500	81		2600	92		75-125	4		20
Chromium, Total	13.	19.7	32	96		33	102		75-125	3		20
Cobalt, Total	5.0	49.2	50	91		51	94		75-125	2		20
Copper, Total	7.6	24.6	31	95		31	96		75-125	0		20
Iron, Total	14000	98.4	15000	1020	Q	15000	1020	Q	75-125	0		20
Lead, Total	8.3	50.2	55	93		56	95		75-125	2		20
Magnesium, Total	2200	984	3600	142	Q	3500	133	Q	75-125	3		20
Manganese, Total	380	49.2	270	0	Q	320	0	Q	75-125	17		20
Nickel, Total	13.	49.2	58	91		59	94		75-125	2		20
Potassium, Total	1800	984	3100	132	Q	3000	122		75-125	3		20
Selenium, Total	ND	11.8	9.6	81		10	85		75-125	4		20
Silver, Total	ND	29.5	27	91		28	95		75-125	4		20
Sodium, Total	170J	984	1100	112		1100	112		75-125	0		20
Thallium, Total	ND	11.8	10	85		10	85		75-125	0		20
Vanadium, Total	17.	49.2	63	93		65	98		75-125	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 5.75 QC Batch ID: WG712114-3 WG712114-4 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-									
Zinc, Total	23.	49.2	66	87	66	88	75-125	0	20
Total Metals - Westborough Lab Associated sample(s): 01 5.75 QC Batch ID: WG712508-3 WG712508-4 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-									
Mercury, Total	ND	0.167	0.21	125	Q	0.20	125	Q	80-120

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

SAMPLE RESULTS

Lab ID: L1417610-01
Client ID: C2/C3.EP.EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil

Date Collected: 08/05/14 14:15
Date Received: 08/06/14
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	79.0		%	0.100	NA	1	-	08/07/14 16:03	30,2540G	AN



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1417610**Report Date:** 08/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG712031-1 QC Sample: L1417610-01 Client ID: C2/C3.EP.EL-5.75						
Solids, Total	79.0	79.2	%	0		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1417610

Report Date: 08/13/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/07/2014 05:14

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1417610-01A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01A1	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01A2	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01B1	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01B2	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01C1	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01C2	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1417610-01D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1417610-01D1	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1417610-01D2	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1417610-01E	Amber 500ml unpreserved	A	N/A	2.5	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1417610-01W	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1417610-01X	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1417610-01Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1417610-01Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1417610-02A	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1417610-02B	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1417610
Report Date: 08/13/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1415494
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	07/21/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1415494
Report Date: 07/21/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1415494-01	B3-EP-EL-5.75	SOIL	520 W. 28TH ST., NYC	07/10/14 15:45	07/11/14
L1415494-02	A3-EP-EL-5.75	SOIL	520 W. 28TH ST., NYC	07/10/14 16:00	07/11/14
L1415494-03	TRIP BLANK	WATER	520 W. 28TH ST., NYC	07/10/14 00:00	07/11/14

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1415494
Report Date: 07/21/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1415494
Report Date: 07/21/14

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.

Total Metals

L1415494-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

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: 07/21/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01
Client ID: B3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/16/14 13:05
Analyst: BN
Percent Solids: 84%

Date Collected: 07/10/14 15:45
Date Received: 07/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01

Date Collected: 07/10/14 15:45

Client ID: B3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylene (Total)	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	1.9		ug/kg	1.0	0.14	1
1,2-Dichloroethene (total)	1.9		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	ND		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01

Date Collected: 07/10/14 15:45

Client ID: B3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.1	0.16	1
4-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02
Client ID: A3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/16/14 13:30
Analyst: BN
Percent Solids: 78%

Date Collected: 07/10/14 16:00
Date Received: 07/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	1.5	J	ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.18	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.3	0.37	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	1.3	J	ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.19	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02

Date Collected: 07/10/14 16:00

Client ID: A3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.22	1
Xylene (Total)	ND		ug/kg	2.5	0.22	1
cis-1,2-Dichloroethene	9.3		ug/kg	1.2	0.18	1
1,2-Dichloroethene (total)	9.3		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	ND		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.34	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.83	1
Bromochloromethane	ND		ug/kg	6.3	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.3	0.17	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.50	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.16	1
Naphthalene	ND		ug/kg	6.3	0.17	1
Acrylonitrile	ND		ug/kg	12	0.64	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02

Date Collected: 07/10/14 16:00

Client ID: A3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,4-Dioxane	ND		ug/kg	120	18.	1
1,4-Diethylbenzene	ND		ug/kg	5.0	0.20	1
4-Ethyltoluene	ND		ug/kg	5.0	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-03
Client ID: TRIP BLANK
Sample Location: 520 W. 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/16/14 18:54
Analyst: PD

Date Collected: 07/10/14 00:00
Date Received: 07/11/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-03

Date Collected: 07/10/14 00:00

Client ID: TRIP BLANK

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	2.0	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-03

Date Collected: 07/10/14 00:00

Client ID: TRIP BLANK

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	103		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	99		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706220-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706220-3					
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
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706220-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706220-3					
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 08:46
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG706505-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 08:46
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG706505-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 08:46
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG706505-3					
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	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 08:46
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG706505-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706220-1 WG706220-2								
Methylene chloride	91		89		70-130	2		20
1,1-Dichloroethane	97		97		70-130	0		20
Chloroform	102		102		70-130	0		20
2-Chloroethylvinyl ether	84		86		70-130	2		20
Carbon tetrachloride	97		95		63-132	2		20
1,2-Dichloropropane	96		97		70-130	1		20
Dibromochloromethane	86		87		63-130	1		20
1,1,2-Trichloroethane	90		91		70-130	1		20
Tetrachloroethene	88		87		70-130	1		20
Chlorobenzene	88		87		75-130	1		20
Trichlorofluoromethane	97		95		62-150	2		20
1,2-Dichloroethane	95		96		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		95		67-130	1		20
trans-1,3-Dichloropropene	97		98		70-130	1		20
cis-1,3-Dichloropropene	85		86		70-130	1		20
1,1-Dichloropropene	101		99		70-130	2		20
Bromoform	78		78		54-136	0		20
1,1,2,2-Tetrachloroethane	78		78		67-130	0		20
Benzene	96		96		70-130	0		20
Toluene	90		89		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706220-1 WG706220-2								
Ethylbenzene	94		93		70-130	1		20
Chloromethane	116		108		64-130	7		20
Bromomethane	72		69		39-139	4		20
Vinyl chloride	101		97		55-140	4		20
Chloroethane	108		104		55-138	4		20
1,1-Dichloroethene	97		96		61-145	1		20
trans-1,2-Dichloroethene	97		96		70-130	1		20
Trichloroethene	94		94		70-130	0		20
1,2-Dichlorobenzene	80		80		70-130	0		20
1,3-Dichlorobenzene	85		84		70-130	1		20
1,4-Dichlorobenzene	83		83		70-130	0		20
Methyl tert butyl ether	93		95		63-130	2		20
p/m-Xylene	99		96		70-130	3		20
o-Xylene	94		93		70-130	1		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	88		91		64-130	3		20
Acrylonitrile	98		100		70-130	2		20
Diisopropyl Ether	99		100		70-130	1		20
Tert-Butyl Alcohol	100		105		70-130	5		20
Styrene	107		105		70-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706220-1 WG706220-2								
Dichlorodifluoromethane	98		97		36-147	1		20
Acetone	98		101		58-148	3		20
Carbon disulfide	91		90		51-130	1		20
2-Butanone	95		100		63-138	5		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	85		89		59-130	5		20
2-Hexanone	89		92		57-130	3		20
Bromochloromethane	96		96		70-130	0		20
2,2-Dichloropropane	103		102		63-133	1		20
1,2-Dibromoethane	87		88		70-130	1		20
1,3-Dichloropropane	90		91		70-130	1		20
1,1,1,2-Tetrachloroethane	101		101		64-130	0		20
Bromobenzene	64	Q	64	Q	70-130	0		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	82		81		70-130	1		20
tert-Butylbenzene	75		74		70-130	1		20
o-Chlorotoluene	86		85		70-130	1		20
p-Chlorotoluene	81		80		70-130	1		20
1,2-Dibromo-3-chloropropane	80		82		41-144	2		20
Hexachlorobutadiene	77		78		63-130	1		20
Isopropylbenzene	64	Q	63	Q	70-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706220-1 WG706220-2								
p-Isopropyltoluene	83		83		70-130	0		20
Naphthalene	75		78		70-130	4		20
n-Propylbenzene	75		74		69-130	1		20
1,2,3-Trichlorobenzene	76		80		70-130	5		20
1,2,4-Trichlorobenzene	82		84		70-130	2		20
1,3,5-Trimethylbenzene	88		88		64-130	0		20
1,2,4-Trimethylbenzene	83		83		70-130	0		20
Methyl Acetate	93		97		70-130	4		20
Ethyl Acetate	99		102		70-130	3		20
Cyclohexane	101		99		70-130	2		20
Ethyl-Tert-Butyl-Ether	97		98		70-130	1		20
Tertiary-Amyl Methyl Ether	94		95		66-130	1		20
1,4-Dioxane	114		112		56-162	2		20
Freon-113	101		100		70-130	1		20
p-Diethylbenzene	82		82		70-130	0		20
p-Ethyltoluene	80		78		70-130	3		20
1,2,4,5-Tetramethylbenzene	79		81		70-130	3		20
Ethyl ether	93		93		59-134	0		20
trans-1,4-Dichloro-2-butene	90		89		70-130	1		20
Iodomethane	60	Q	62	Q	70-130	3		20
Methyl cyclohexane	94		92		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706220-1 WG706220-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	83		83		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG706505-1 WG706505-2								
Methylene chloride	95		94		70-130	1		30
1,1-Dichloroethane	98		94		70-130	4		30
Chloroform	99		94		70-130	5		30
Carbon tetrachloride	102		97		70-130	5		30
1,2-Dichloropropane	99		96		70-130	3		30
Dibromochloromethane	96		97		70-130	1		30
2-Chloroethylvinyl ether	94		94		70-130	0		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	101		98		70-130	3		30
Chlorobenzene	98		97		70-130	1		30
Trichlorofluoromethane	101		94		70-139	7		30
1,2-Dichloroethane	98		95		70-130	3		30
1,1,1-Trichloroethane	102		96		70-130	6		30
Bromodichloromethane	97		94		70-130	3		30
trans-1,3-Dichloropropene	100		100		70-130	0		30
cis-1,3-Dichloropropene	99		98		70-130	1		30
1,1-Dichloropropene	103		98		70-130	5		30
Bromoform	88		91		70-130	3		30
1,1,2,2-Tetrachloroethane	90		93		70-130	3		30
Benzene	100		96		70-130	4		30
Toluene	104		102		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG706505-1 WG706505-2								
Ethylbenzene	102		100		70-130	2		30
Chloromethane	94		83		52-130	12		30
Bromomethane	156	Q	152	Q	57-147	3		30
Vinyl chloride	99		91		67-130	8		30
Chloroethane	102		95		50-151	7		30
1,1-Dichloroethene	100		94		65-135	6		30
trans-1,2-Dichloroethene	99		95		70-130	4		30
Trichloroethene	100		96		70-130	4		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	97		96		70-130	1		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	103		102		70-130	1		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	99		96		70-130	3		30
Dibromomethane	93		94		70-130	1		30
Styrene	103		102		70-130	1		30
Dichlorodifluoromethane	97		87		30-146	11		30
Acetone	86		92		54-140	7		30
Carbon disulfide	99		95		59-130	4		30
2-Butanone	85		92		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG706505-1 WG706505-2								
Vinyl acetate	99		98		70-130	1		30
4-Methyl-2-pentanone	89		90		70-130	1		30
1,2,3-Trichloropropane	92		94		68-130	2		30
2-Hexanone	82		85		70-130	4		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	104		97		70-130	7		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	96		97		69-130	1		30
1,1,1,2-Tetrachloroethane	98		97		70-130	1		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	105		102		70-130	3		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	103		100		70-130	3		30
o-Chlorotoluene	101		98		70-130	3		30
p-Chlorotoluene	101		99		70-130	2		30
1,2-Dibromo-3-chloropropane	83		86		68-130	4		30
Hexachlorobutadiene	98		93		67-130	5		30
Isopropylbenzene	104		102		70-130	2		30
p-Isopropyltoluene	105		102		70-130	3		30
Naphthalene	90		91		70-130	1		30
Acrylonitrile	92		95		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG706505-1 WG706505-2								
Isopropyl Ether	99		97		66-130	2		30
tert-Butyl Alcohol	80		82		70-130	2		30
n-Propylbenzene	103		100		70-130	3		30
1,2,3-Trichlorobenzene	94		93		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	104		101		70-130	3		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30
Methyl Acetate	89		90		51-146	1		30
Ethyl Acetate	96		95		70-130	1		30
Acrolein	102		96		70-130	6		30
Cyclohexane	105		98		59-142	7		30
1,4-Dioxane	92		94		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	101		95		50-139	6		30
1,4-Diethylbenzene	106		101		70-130	5		30
4-Ethyltoluene	105		101		70-130	4		30
1,2,4,5-Tetramethylbenzene	103		99		70-130	4		30
Tetrahydrofuran	92		93		66-130	1		30
Ethyl ether	94		95		67-130	1		30
trans-1,4-Dichloro-2-butene	93		95		70-130	2		30
Methyl cyclohexane	102		96		70-130	6		30
Ethyl-Tert-Butyl-Ether	99		97		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG706505-1 WG706505-2								
Tertiary-Amyl Methyl Ether	97		97		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01
Client ID: B3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/18/14 01:57
Analyst: PS
Percent Solids: 84%

Date Collected: 07/10/14 15:45
Date Received: 07/11/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/15/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01

Date Collected: 07/10/14 15:45

Client ID: B3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01

Date Collected: 07/10/14 15:45

Client ID: B3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	76		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02
Client ID: A3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/18/14 02:24
Analyst: PS
Percent Solids: 78%

Date Collected: 07/10/14 16:00
Date Received: 07/11/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/15/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	ND		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02

Date Collected: 07/10/14 16:00

Client ID: A3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	130	41.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	130	42.	1
Benzo(k)fluoranthene	ND		ug/kg	130	40.	1
Chrysene	ND		ug/kg	130	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	130	35.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	47.	1
Pyrene	ND		ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	450	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02

Date Collected: 07/10/14 16:00

Client ID: A3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	88		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/17/14 18:16
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 07/15/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG705769-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/17/14 18:16
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 07/15/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG705769-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/17/14 18:16
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 07/15/14 09:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG705769-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	87		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG705769-2 WG705769-3								
Acenaphthene	78		76		31-137	3		50
1,2,4-Trichlorobenzene	72		67		38-107	7		50
Hexachlorobenzene	93		89		40-140	4		50
Bis(2-chloroethyl)ether	60		56		40-140	7		50
2-Chloronaphthalene	81		73		40-140	10		50
1,2-Dichlorobenzene	65		61		40-140	6		50
1,3-Dichlorobenzene	64		61		40-140	5		50
1,4-Dichlorobenzene	64		62		28-104	3		50
3,3'-Dichlorobenzidine	61		65		40-140	6		50
2,4-Dinitrotoluene	108	Q	101	Q	28-89	7		50
2,6-Dinitrotoluene	109		100		40-140	9		50
Fluoranthene	90		83		40-140	8		50
4-Chlorophenyl phenyl ether	87		84		40-140	4		50
4-Bromophenyl phenyl ether	93		88		40-140	6		50
Bis(2-chloroisopropyl)ether	56		52		40-140	7		50
Bis(2-chloroethoxy)methane	70		63		40-117	11		50
Hexachlorobutadiene	72		66		40-140	9		50
Hexachlorocyclopentadiene	78		74		40-140	5		50
Hexachloroethane	62		60		40-140	3		50
Isophorone	66		61		40-140	8		50
Naphthalene	73		66		40-140	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG705769-2 WG705769-3								
Nitrobenzene	74		66		40-140	11		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		85			2		50
n-Nitrosodi-n-propylamine	66		60		32-121	10		50
Bis(2-Ethylhexyl)phthalate	84		80		40-140	5		50
Butyl benzyl phthalate	90		86		40-140	5		50
Di-n-butylphthalate	86		81		40-140	6		50
Di-n-octylphthalate	89		84		40-140	6		50
Diethyl phthalate	85		83		40-140	2		50
Dimethyl phthalate	85		83		40-140	2		50
Benzo(a)anthracene	83		80		40-140	4		50
Benzo(a)pyrene	82		80		40-140	2		50
Benzo(b)fluoranthene	84		79		40-140	6		50
Benzo(k)fluoranthene	83		78		40-140	6		50
Chrysene	85		81		40-140	5		50
Acenaphthylene	88		76		40-140	15		50
Anthracene	88		82		40-140	7		50
Benzo(ghi)perylene	88		85		40-140	3		50
Fluorene	85		82		40-140	4		50
Phenanthrene	81		78		40-140	4		50
Dibenzo(a,h)anthracene	87		84		40-140	4		50
Indeno(1,2,3-cd)Pyrene	88		84		40-140	5		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG705769-2 WG705769-3								
Pyrene	90		84		35-142	7		50
Biphenyl	76		75			1		50
4-Chloroaniline	60		63		40-140	5		50
2-Nitroaniline	104		93		47-134	11		50
3-Nitroaniline	80		82		26-129	2		50
4-Nitroaniline	97		92		41-125	5		50
Dibenzofuran	85		81		40-140	5		50
2-Methylnaphthalene	78		70		40-140	11		50
1,2,4,5-Tetrachlorobenzene	74		72		40-117	3		50
Acetophenone	72		64		14-144	12		50
2,4,6-Trichlorophenol	96		90		30-130	6		50
P-Chloro-M-Cresol	90		80		26-103	12		50
2-Chlorophenol	70		68		25-102	3		50
2,4-Dichlorophenol	89		78		30-130	13		50
2,4-Dimethylphenol	81		76		30-130	6		50
2-Nitrophenol	83		77		30-130	8		50
4-Nitrophenol	105		97		11-114	8		50
2,4-Dinitrophenol	104		96		4-130	8		50
4,6-Dinitro-o-cresol	119		113		10-130	5		50
Pentachlorophenol	99		92		17-109	7		50
Phenol	70		63		26-90	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG705769-2 WG705769-3								
2-Methylphenol	75		70		30-130.	7		50
3-Methylphenol/4-Methylphenol	78		70		30-130	11		50
2,4,5-Trichlorophenol	96		88		30-130	9		50
Benzoic Acid	30		29			3		50
Benzyl Alcohol	72		64		40-140	12		50
Carbazole	88		80		54-128	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		67		25-120
Phenol-d6	64		66		10-120
Nitrobenzene-d5	65		66		23-120
2-Fluorobiphenyl	75		75		30-120
2,4,6-Tribromophenol	94		102		0-136
4-Terphenyl-d14	85		86		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01
Client ID: B3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/16/14 15:14
Analyst: JW
Percent Solids: 84%

Date Collected: 07/10/14 15:45
Date Received: 07/11/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/15/14 09:15
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.08	1	A
Aroclor 1221	ND		ug/kg	39.0	3.59	1	A
Aroclor 1232	ND		ug/kg	39.0	4.57	1	A
Aroclor 1242	ND		ug/kg	39.0	4.77	1	A
Aroclor 1248	ND		ug/kg	39.0	3.29	1	A
Aroclor 1254	ND		ug/kg	39.0	3.20	1	A
Aroclor 1260	ND		ug/kg	39.0	2.97	1	A
Aroclor 1262	ND		ug/kg	39.0	1.93	1	A
Aroclor 1268	ND		ug/kg	39.0	5.65	1	A
PCBs, Total	ND		ug/kg	39.0	1.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02
Client ID: A3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/16/14 15:42
Analyst: JW
Percent Solids: 78%

Date Collected: 07/10/14 16:00
Date Received: 07/11/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/15/14 09:15
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.6	3.21	1	A
Aroclor 1221	ND		ug/kg	40.6	3.74	1	A
Aroclor 1232	ND		ug/kg	40.6	4.76	1	A
Aroclor 1242	ND		ug/kg	40.6	4.97	1	A
Aroclor 1248	ND		ug/kg	40.6	3.43	1	A
Aroclor 1254	ND		ug/kg	40.6	3.34	1	A
Aroclor 1260	ND		ug/kg	40.6	3.10	1	A
Aroclor 1262	ND		ug/kg	40.6	2.01	1	A
Aroclor 1268	ND		ug/kg	40.6	5.89	1	A
PCBs, Total	ND		ug/kg	40.6	2.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/16/14 10:37
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 07/15/14 09:15
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/16/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG705777-1						
Aroclor 1016	ND		ug/kg	32.6	2.57	A
Aroclor 1221	ND		ug/kg	32.6	3.00	A
Aroclor 1232	ND		ug/kg	32.6	3.82	A
Aroclor 1242	ND		ug/kg	32.6	3.99	A
Aroclor 1248	ND		ug/kg	32.6	2.75	A
Aroclor 1254	ND		ug/kg	32.6	2.68	A
Aroclor 1260	ND		ug/kg	32.6	2.48	A
Aroclor 1262	ND		ug/kg	32.6	1.62	A
Aroclor 1268	ND		ug/kg	32.6	4.72	A
PCBs, Total	ND		ug/kg	32.6	1.62	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	51		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG705777-2 WG705777-3									
Aroclor 1016	67		76		40-140	13		50	A
Aroclor 1260	58		65		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		77		30-150	A
Decachlorobiphenyl	73		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		83		30-150	B
Decachlorobiphenyl	71		73		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-01
Client ID: B3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/18/14 16:55
Analyst: SH
Percent Solids: 84%

Date Collected: 07/10/14 15:45
Date Received: 07/11/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/17/14 01:59
Cleanup Method: EPA 3620B
Cleanup Date: 07/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.911	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.311	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1415494**Project Number:** E040**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1415494-02
Client ID: A3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/18/14 17:08
Analyst: SH
Percent Solids: 78%

Date Collected: 07/10/14 16:00
Date Received: 07/11/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/17/14 01:59
Cleanup Method: EPA 3620B
Cleanup Date: 07/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.96	0.383	1	A
Lindane	ND		ug/kg	0.815	0.364	1	A
Alpha-BHC	ND		ug/kg	0.815	0.231	1	A
Beta-BHC	ND		ug/kg	1.96	0.742	1	A
Heptachlor	ND		ug/kg	0.978	0.438	1	A
Aldrin	ND		ug/kg	1.96	0.689	1	A
Heptachlor epoxide	ND		ug/kg	3.67	1.10	1	A
Endrin	ND		ug/kg	0.815	0.334	1	A
Dieldrin	ND		ug/kg	1.22	0.611	1	A
4,4'-DDE	ND		ug/kg	1.96	0.452	1	A
4,4'-DDD	ND		ug/kg	1.96	0.698	1	A
4,4'-DDT	ND		ug/kg	3.67	1.57	1	A
Endosulfan I	ND		ug/kg	1.96	0.462	1	A
Endosulfan II	ND		ug/kg	1.96	0.654	1	A
Endosulfan sulfate	ND		ug/kg	0.815	0.388	1	A
Methoxychlor	ND		ug/kg	3.67	1.14	1	A
cis-Chlordane	ND		ug/kg	2.44	0.681	1	A
trans-Chlordane	ND		ug/kg	2.44	0.645	1	A
Chlordane	ND		ug/kg	15.9	6.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/18/14 16:16
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 07/17/14 01:59
 Cleanup Method: EPA 3620B
 Cleanup Date: 07/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG706414-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.867	A
Endrin	ND		ug/kg	0.642	0.263	A
Dieldrin	ND		ug/kg	0.963	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.899	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG706414-2 WG706414-3									
Delta-BHC	76		80		30-150	5		30	A
Lindane	86		87		30-150	1		30	A
Alpha-BHC	88		90		30-150	2		30	A
Beta-BHC	72		74		30-150	3		30	A
Heptachlor	100		100		30-150	0		30	A
Aldrin	94		94		30-150	0		30	A
Heptachlor epoxide	86		86		30-150	0		30	A
Endrin	92		92		30-150	0		30	A
Endrin ketone	79		80		30-150	1		30	A
Dieldrin	91		90		30-150	1		30	A
4,4'-DDE	91		89		30-150	2		30	A
4,4'-DDD	96		95		30-150	1		30	A
4,4'-DDT	117		116		30-150	1		30	A
Endosulfan I	90		89		30-150	1		30	A
Endosulfan II	86		87		30-150	1		30	A
Endosulfan sulfate	75		78		30-150	4		30	A
Methoxychlor	101		101		30-150	0		30	A
cis-Chlordane	86		86		30-150	0		30	A
trans-Chlordane	89		88		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG706414-2 WG706414-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	A
Decachlorobiphenyl	92		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		72		30-150	B
Decachlorobiphenyl	82		76		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

SAMPLE RESULTS

Lab ID: L1415494-01

Date Collected: 07/10/14 15:45

Client ID: B3-EP-EL-5.75

Date Received: 07/11/14

Sample Location: 520 W. 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7300		mg/kg	9.2	1.8	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.74	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Arsenic, Total	2.8		mg/kg	0.92	0.18	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Barium, Total	79		mg/kg	0.92	0.28	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Beryllium, Total	0.48		mg/kg	0.46	0.09	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.92	0.07	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Calcium, Total	2300		mg/kg	9.2	2.8	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.92	0.18	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Cobalt, Total	7.2		mg/kg	1.8	0.46	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Copper, Total	15		mg/kg	0.92	0.18	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Iron, Total	16000		mg/kg	4.6	1.8	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Lead, Total	1.0	J	mg/kg	4.6	0.18	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Magnesium, Total	3700		mg/kg	9.2	0.92	2	07/16/14 19:18	07/18/14 10:14	EPA 3050B	1,6010C	MG
Manganese, Total	490		mg/kg	0.92	0.18	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/15/14 09:05	07/15/14 16:54	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.3	0.37	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Potassium, Total	2200		mg/kg	230	37.	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Selenium, Total	0.29	J	mg/kg	1.8	0.28	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Sodium, Total	240		mg/kg	180	28.	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.92	0.09	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG
Zinc, Total	31		mg/kg	4.6	0.65	2	07/16/14 19:18	07/17/14 11:12	EPA 3050B	1,6010C	MG



Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

SAMPLE RESULTS

Lab ID: L1415494-02
 Client ID: A3-EP-EL-5.75
 Sample Location: 520 W. 28TH ST., NYC
 Matrix: Soil
 Percent Solids: 78%

Date Collected: 07/10/14 16:00
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3400		mg/kg	9.6	1.9	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.8	0.77	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Arsenic, Total	1.5		mg/kg	0.96	0.19	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Barium, Total	52		mg/kg	0.96	0.29	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32	J	mg/kg	0.48	0.10	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.96	0.07	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Calcium, Total	1200		mg/kg	9.6	2.9	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Chromium, Total	13		mg/kg	0.96	0.19	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Cobalt, Total	4.2		mg/kg	1.9	0.48	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Copper, Total	7.6		mg/kg	0.96	0.19	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Iron, Total	9100		mg/kg	4.8	1.9	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Lead, Total	0.84	J	mg/kg	4.8	0.19	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Magnesium, Total	2200		mg/kg	9.6	0.96	2	07/16/14 19:18	07/18/14 10:18	EPA 3050B	1,6010C	MG
Manganese, Total	450		mg/kg	0.96	0.19	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/15/14 09:05	07/15/14 16:56	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.4	0.38	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Potassium, Total	1200		mg/kg	240	38.	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.29	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.96	0.19	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Sodium, Total	240		mg/kg	190	29.	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Vanadium, Total	10		mg/kg	0.96	0.10	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG
Zinc, Total	13		mg/kg	4.8	0.67	2	07/16/14 19:18	07/17/14 11:16	EPA 3050B	1,6010C	MG



Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG705715-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/15/14 09:05	07/15/14 16:27	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG706336-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	07/16/14 19:18	07/17/14 10:02	1,6010C	MG

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG705715-2 SRM Lot Number: 0518-10-02								
Mercury, Total	127		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG706336-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	82	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	92	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	101	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	90	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	104	-	66-134	-	
Sodium, Total	109	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1415494**Report Date:** 07/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG706336-2 SRM Lot Number: 0518-10-02					
Zinc, Total	100	-	82-119	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1415494

Project Number: E040

Report Date: 07/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG705715-3 WG705715-4 QC Sample: L1400007-60 Client ID: MS Sample												
Mercury, Total	0.16	0.132	0.36	152	Q	0.29	102		80-120	22	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG706336-4 QC Sample: L1415347-09 Client ID: MS Sample									
Aluminum, Total	6000	175	7400	801	Q	-	75-125	-	20
Antimony, Total	ND	43.7	32	73	Q	-	75-125	-	20
Arsenic, Total	7.6	10.5	18	99		-	75-125	-	20
Barium, Total	9.6	175	160	86		-	75-125	-	20
Beryllium, Total	0.36	4.37	4.3	90		-	75-125	-	20
Cadmium, Total	ND	4.46	4.0	90		-	75-125	-	20
Calcium, Total	210	874	980	88		-	75-125	-	20
Chromium, Total	22.	17.5	43	120		-	75-125	-	20
Cobalt, Total	1.5	43.7	40	88		-	75-125	-	20
Copper, Total	3.2	21.8	23	91		-	75-125	-	20
Iron, Total	14000	87.4	17000	3430	Q	-	75-125	-	20
Lead, Total	ND	44.6	36	81		-	75-125	-	20
Magnesium, Total	520	874	1400	101		-	75-125	-	20
Manganese, Total	25.	43.7	69	101		-	75-125	-	20
Nickel, Total	2.3	43.7	40	86		-	75-125	-	20
Potassium, Total	800	874	2000	137	Q	-	75-125	-	20
Selenium, Total	0.40J	10.5	9.4	90		-	75-125	-	20
Silver, Total	ND	26.2	25	95		-	75-125	-	20
Sodium, Total	76.J	874	950	109		-	75-125	-	20
Thallium, Total	ND	10.5	8.3	79		-	75-125	-	20
Vanadium, Total	31.	43.7	72	94		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG706336-4 QC Sample: L1415347-09 Client ID: MS Sample									
Zinc, Total	11.	43.7	50	89	-	-	75-125	-	20

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1415494**Report Date:** 07/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG706336-3 QC Sample: L1415347-09 Client ID: DUP Sample						
Arsenic, Total	7.6	7.7	mg/kg	1		20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1415494**Report Date:** 07/21/14**SAMPLE RESULTS****Lab ID:** L1415494-01**Client ID:** B3-EP-EL-5.75**Sample Location:** 520 W. 28TH ST., NYC**Matrix:** Soil**Date Collected:** 07/10/14 15:45**Date Received:** 07/11/14**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	84.4		%	0.100	NA	1	-	07/14/14 14:59	30,2540G	SP



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1415494
Report Date: 07/21/14

SAMPLE RESULTS

Lab ID: L1415494-02
Client ID: A3-EP-EL-5.75
Sample Location: 520 W. 28TH ST., NYC
Matrix: Soil

Date Collected: 07/10/14 16:00
Date Received: 07/11/14
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	78.2		%	0.100	NA	1	-	07/14/14 14:59	30,2540G	SP



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1415494**Report Date:** 07/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG705595-1 QC Sample: L1415478-17 Client ID: DUP Sample						
Solids, Total	61.4	61.8	%	1		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1415494

Report Date: 07/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 07/12/2014 02:57

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1415494-01A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1415494-01B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1415494-01C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1415494-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1415494-01E	Amber 500ml unpreserved	A	N/A	3.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1415494-01X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1415494-01Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1415494-01Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1415494-02A	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1415494-02B	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1415494-02C	5 gram Encore Sampler	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(2)
L1415494-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1415494-02E	Amber 500ml unpreserved	A	N/A	3.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1415494**Report Date:** 07/21/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1415494-02X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1415494-02Y	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1415494-02Z	Vial Water preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1415494-03A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1415494-03B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)

Container Comments

L1415494-01D

L1415494-02D

*Values in parentheses indicate holding time in days

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1415494
Report Date: 07/21/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1415494
Report Date: 07/21/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1415494
Report Date: 07/21/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1414753
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	07/10/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414753
Report Date: 07/10/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1414753-01	A4-EP-EL-5.75	SOIL	520 W 28TH ST., NYC	07/02/14 11:15	07/02/14
L1414753-02	B4/C4-EP-EL-5.75	SOIL	520 W 28TH ST., NYC	07/02/14 12:30	07/02/14
L1414753-03	TRIP BLANK 7-2-14	WATER	520 W 28TH ST., NYC	07/02/14 00:00	07/02/14
L1414753-04	FIELD BLANK	WATER	520 W 28TH ST., NYC	07/02/14 14:30	07/02/14

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414753
Report Date: 07/10/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414753
Report Date: 07/10/14

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.

Pesticides

The WG703860-2/-3 LCS/LCSD recoveries, associated with L1414753-01 and -02, are above the acceptance criteria for delta-BHC (LCSD at 154%), lindane (LCSD at 160%), alpha-BHC (153%/166%), heptachlor (167%/183%), aldrin (158%/173%), heptachlor epoxide (LCSD at 159%), endrin (167%/179%), endrin ketone (LCSD at 156%), dieldrin (155%/169%), 4,4'-DDE (152%/167%), 4,4'-DDD (161%/177%), 4,4'-DDT (190%/209%), endosulfan I (154%/168%), endosulfan II (LCSD at 163%), endosulfan sulfate (LCSD at 152%), methoxychlor (157%/177%), cis-chlordane (LCSD at 160%), and trans-chlordane (LCSD at 161%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

Metals

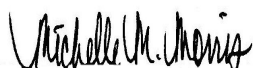
L1414753-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

L1414753-04: The Field Blank has a concentration above the reporting limit for sodium. The results were confirmed.

The WG703791-1 Method Blank, associated with L1414753-01 and -02, has concentrations above the reporting limit for aluminum and calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 07/10/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01
Client ID: A4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/07/14 13:01
Analyst: MV
Percent Solids: 95%

Date Collected: 07/02/14 11:15
Date Received: 07/02/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	1.5	J	ug/kg	9.6	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.96	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.96	0.13	1
Chlorobenzene	ND		ug/kg	0.96	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.11	1
Bromodichloromethane	ND		ug/kg	0.96	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.96	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.8	0.14	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.10	1
Benzene	ND		ug/kg	0.96	0.11	1
Toluene	0.26	J	ug/kg	1.4	0.19	1
Ethylbenzene	ND		ug/kg	0.96	0.12	1
Chloromethane	ND		ug/kg	4.8	0.28	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.96	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01
 Client ID: A4-EP-EL-5.75
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 07/02/14 11:15
 Date Received: 07/02/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.08	1
p/m-Xylene	ND		ug/kg	1.9	0.19	1
o-Xylene	ND		ug/kg	1.9	0.16	1
Xylene (Total)	ND		ug/kg	1.9	0.16	1
cis-1,2-Dichloroethene	0.24	J	ug/kg	0.96	0.14	1
1,2-Dichloroethene (total)	0.24	J	ug/kg	0.96	0.14	1
Dibromomethane	ND		ug/kg	9.6	0.16	1
Styrene	ND		ug/kg	1.9	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.18	1
Acetone	1.6	J	ug/kg	9.6	0.99	1
Carbon disulfide	ND		ug/kg	9.6	1.0	1
2-Butanone	ND		ug/kg	9.6	0.26	1
Vinyl acetate	ND		ug/kg	9.6	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.6	0.16	1
2-Hexanone	ND		ug/kg	9.6	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.8	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.8	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.96	0.30	1
Bromobenzene	ND		ug/kg	4.8	0.20	1
n-Butylbenzene	ND		ug/kg	0.96	0.11	1
sec-Butylbenzene	ND		ug/kg	0.96	0.12	1
tert-Butylbenzene	ND		ug/kg	4.8	0.13	1
o-Chlorotoluene	ND		ug/kg	4.8	0.15	1
p-Chlorotoluene	ND		ug/kg	4.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.22	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.12	1
Naphthalene	ND		ug/kg	4.8	0.13	1
Acrylonitrile	ND		ug/kg	9.6	0.49	1
n-Propylbenzene	ND		ug/kg	0.96	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.14	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01

Date Collected: 07/02/14 11:15

Client ID: A4-EP-EL-5.75

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.14	1
1,4-Dioxane	ND		ug/kg	96	14.	1
1,4-Diethylbenzene	ND		ug/kg	3.8	0.15	1
4-Ethyltoluene	ND		ug/kg	3.8	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1
Ethyl ether	ND		ug/kg	4.8	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02
Client ID: B4/C4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/07/14 13:27
Analyst: MV
Percent Solids: 69%

Date Collected: 07/02/14 12:30
Date Received: 07/02/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.4	J	ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.42	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.53	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.19	1
Bromoform	ND		ug/kg	5.5	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.0	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.17	1
Chloromethane	ND		ug/kg	6.8	0.40	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.21	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02

Date Collected: 07/02/14 12:30

Client ID: B4/C4-EP-EL-5.75

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.12	1
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.24	1
Xylene (Total)	ND		ug/kg	2.7	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
1,2-Dichloroethene (total)	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	ND		ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.37	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.22	1
2-Hexanone	ND		ug/kg	14	0.91	1
Bromochloromethane	ND		ug/kg	6.8	0.38	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	6.8	0.18	1
o-Chlorotoluene	ND		ug/kg	6.8	0.22	1
p-Chlorotoluene	ND		ug/kg	6.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.54	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.31	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	6.8	0.19	1
Acrylonitrile	ND		ug/kg	14	0.70	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.20	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02

Date Collected: 07/02/14 12:30

Client ID: B4/C4-EP-EL-5.75

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.19	1
1,4-Dioxane	ND		ug/kg	140	20.	1
1,4-Diethylbenzene	ND		ug/kg	5.5	0.22	1
4-Ethyltoluene	ND		ug/kg	5.5	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1
Ethyl ether	ND		ug/kg	6.8	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-03
Client ID: TRIP BLANK 7-2-14
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/08/14 19:06
Analyst: PD

Date Collected: 07/02/14 00:00
Date Received: 07/02/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-03

Date Collected: 07/02/14 00:00

Client ID: TRIP BLANK 7-2-14

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-03

Date Collected: 07/02/14 00:00

Client ID: TRIP BLANK 7-2-14

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	111		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04
Client ID: FIELD BLANK
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/08/14 19:35
Analyst: PD

Date Collected: 07/02/14 14:30
Date Received: 07/02/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04
 Client ID: FIELD BLANK
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 07/02/14 14:30
 Date Received: 07/02/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04

Date Collected: 07/02/14 14:30

Client ID: FIELD BLANK

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	111		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	97		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/07/14 11:43
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG704005-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/07/14 11:43
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG704005-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/07/14 11:43
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG704005-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/07/14 11:43

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG704005-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/08/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG704274-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/08/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG704274-3					
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
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/08/14 10:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG704274-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/08/14 10:36

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG704274-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG704005-1 WG704005-2								
Methylene chloride	103		99		70-130	4		30
1,1-Dichloroethane	104		100		70-130	4		30
Chloroform	104		100		70-130	4		30
Carbon tetrachloride	109		103		70-130	6		30
1,2-Dichloropropane	102		100		70-130	2		30
Dibromochloromethane	88		88		70-130	0		30
1,1,2-Trichloroethane	89		89		70-130	0		30
Tetrachloroethene	98		92		70-130	6		30
Chlorobenzene	92		88		70-130	4		30
Trichlorofluoromethane	122		114		70-139	7		30
1,2-Dichloroethane	101		100		70-130	1		30
1,1,1-Trichloroethane	108		103		70-130	5		30
Bromodichloromethane	101		99		70-130	2		30
trans-1,3-Dichloropropene	87		86		70-130	1		30
cis-1,3-Dichloropropene	102		101		70-130	1		30
1,1-Dichloropropene	108		103		70-130	5		30
Bromoform	82		82		70-130	0		30
1,1,2,2-Tetrachloroethane	83		82		70-130	1		30
Benzene	104		100		70-130	4		30
Toluene	96		86		70-130	11		30
Ethylbenzene	92		87		70-130	6		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG704005-1 WG704005-2								
Chloromethane	98		97		52-130	1		30
Bromomethane	131		126		57-147	4		30
Vinyl chloride	108		101		67-130	7		30
Chloroethane	105		98		50-151	7		30
1,1-Dichloroethene	109		103		65-135	6		30
trans-1,2-Dichloroethene	108		101		70-130	7		30
Trichloroethene	106		102		70-130	4		30
1,2-Dichlorobenzene	85		83		70-130	2		30
1,3-Dichlorobenzene	88		84		70-130	5		30
1,4-Dichlorobenzene	87		84		70-130	4		30
Methyl tert butyl ether	106		106		66-130	0		30
p/m-Xylene	94		89		70-130	5		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	106		102		70-130	4		30
Dibromomethane	103		103		70-130	0		30
Styrene	93		89		70-130	4		30
Dichlorodifluoromethane	104		98		30-146	6		30
Acetone	133		131		54-140	2		30
Carbon disulfide	100		94		59-130	6		30
2-Butanone	108		107		70-130	1		30
Vinyl acetate	97		99		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG704005-1 WG704005-2								
4-Methyl-2-pentanone	102		102		70-130	0		30
1,2,3-Trichloropropane	84		85		68-130	1		30
2-Hexanone	90		84		70-130	7		30
Bromochloromethane	106		108		70-130	2		30
2,2-Dichloropropane	107		102		70-130	5		30
1,2-Dibromoethane	92		91		70-130	1		30
1,3-Dichloropropane	88		88		69-130	0		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	86		84		70-130	2		30
n-Butylbenzene	88		82		70-130	7		30
sec-Butylbenzene	89		83		70-130	7		30
tert-Butylbenzene	88		83		70-130	6		30
o-Chlorotoluene	86		82		70-130	5		30
p-Chlorotoluene	86		83		70-130	4		30
1,2-Dibromo-3-chloropropane	84		83		68-130	1		30
Hexachlorobutadiene	89		86		67-130	3		30
Isopropylbenzene	94		89		70-130	5		30
p-Isopropyltoluene	88		83		70-130	6		30
Naphthalene	84		85		70-130	1		30
Acrylonitrile	100		106		70-130	6		30
Isopropyl Ether	100		98		66-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG704005-1 WG704005-2								
tert-Butyl Alcohol	100		103		70-130	3		30
n-Propylbenzene	87		81		70-130	7		30
1,2,3-Trichlorobenzene	86		86		70-130	0		30
1,2,4-Trichlorobenzene	87		86		70-130	1		30
1,3,5-Trimethylbenzene	86		82		70-130	5		30
1,2,4-Trimethylbenzene	84		81		70-130	4		30
Methyl Acetate	100		103		51-146	3		30
Ethyl Acetate	100		95		70-130	5		30
Acrolein	124		103		70-130	19		30
Cyclohexane	116		108		59-142	7		30
1,4-Dioxane	99		104		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	125		116		50-139	7		30
1,4-Diethylbenzene	109		106		70-130	3		30
4-Ethyltoluene	108		106		70-130	2		30
1,2,4,5-Tetramethylbenzene	107		105		70-130	2		30
Tetrahydrofuran	100		91		66-130	9		30
Ethyl ether	109		108		67-130	1		30
trans-1,4-Dichloro-2-butene	71		74		70-130	4		30
Methyl cyclohexane	124		113		70-130	9		30
Ethyl-Tert-Butyl-Ether	105		104		70-130	1		30
Tertiary-Amyl Methyl Ether	105		106		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414753**Report Date:** 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG704005-1 WG704005-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	105		106		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG704274-1 WG704274-2								
Methylene chloride	114		112		70-130	2		20
1,1-Dichloroethane	108		105		70-130	3		20
Chloroform	102		100		70-130	2		20
2-Chloroethylvinyl ether	90		91		70-130	1		20
Carbon tetrachloride	86		84		63-132	2		20
1,2-Dichloropropane	104		104		70-130	0		20
Dibromochloromethane	82		83		63-130	1		20
1,1,2-Trichloroethane	102		100		70-130	2		20
Tetrachloroethene	89		86		70-130	3		20
Chlorobenzene	96		94		75-130	2		20
Trichlorofluoromethane	117		112		62-150	4		20
1,2-Dichloroethane	105		104		70-130	1		20
1,1,1-Trichloroethane	94		90		67-130	4		20
Bromodichloromethane	92		92		67-130	0		20
trans-1,3-Dichloropropene	88		88		70-130	0		20
cis-1,3-Dichloropropene	92		92		70-130	0		20
1,1-Dichloropropene	100		98		70-130	2		20
Bromoform	73		74		54-136	1		20
1,1,2,2-Tetrachloroethane	99		99		67-130	0		20
Benzene	104		102		70-130	2		20
Toluene	99		96		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG704274-1 WG704274-2								
Ethylbenzene	99		97		70-130	2		20
Chloromethane	108		104		64-130	4		20
Bromomethane	86		83		39-139	4		20
Vinyl chloride	113		108		55-140	5		20
Chloroethane	134		122		55-138	9		20
1,1-Dichloroethene	108		101		61-145	7		20
trans-1,2-Dichloroethene	98		95		70-130	3		20
Trichloroethene	99		98		70-130	1		20
1,2-Dichlorobenzene	90		89		70-130	1		20
1,3-Dichlorobenzene	92		89		70-130	3		20
1,4-Dichlorobenzene	93		90		70-130	3		20
Methyl tert butyl ether	88		88		63-130	0		20
p/m-Xylene	99		96		70-130	3		20
o-Xylene	98		96		70-130	2		20
cis-1,2-Dichloroethene	98		96		70-130	2		20
Dibromomethane	94		95		70-130	1		20
1,2,3-Trichloropropane	106		104		64-130	2		20
Acrylonitrile	107		108		70-130	1		20
Diisopropyl Ether	110		110		70-130	0		20
Tert-Butyl Alcohol	73		73		70-130	0		20
Styrene	99		97		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG704274-1 WG704274-2								
Dichlorodifluoromethane	90		86		36-147	5		20
Acetone	99		98		58-148	1		20
Carbon disulfide	106		99		51-130	7		20
2-Butanone	111		112		63-138	1		20
Vinyl acetate	107		108		70-130	1		20
4-Methyl-2-pentanone	84		85		59-130	1		20
2-Hexanone	76		75		57-130	1		20
Bromochloromethane	99		97		70-130	2		20
2,2-Dichloropropane	92		87		63-133	6		20
1,2-Dibromoethane	90		90		70-130	0		20
1,3-Dichloropropane	101		100		70-130	1		20
1,1,1,2-Tetrachloroethane	87		86		64-130	1		20
Bromobenzene	90		88		70-130	2		20
n-Butylbenzene	102		99		53-136	3		20
sec-Butylbenzene	99		96		70-130	3		20
tert-Butylbenzene	95		92		70-130	3		20
o-Chlorotoluene	102		98		70-130	4		20
p-Chlorotoluene	100		97		70-130	3		20
1,2-Dibromo-3-chloropropane	93		92		41-144	1		20
Hexachlorobutadiene	81		79		63-130	3		20
Isopropylbenzene	97		94		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG704274-1 WG704274-2								
p-Isopropyltoluene	95		92		70-130	3		20
Naphthalene	71		71		70-130	0		20
n-Propylbenzene	102		100		69-130	2		20
1,2,3-Trichlorobenzene	76		76		70-130	0		20
1,2,4-Trichlorobenzene	75		75		70-130	0		20
1,3,5-Trimethylbenzene	99		96		64-130	3		20
1,2,4-Trimethylbenzene	97		94		70-130	3		20
Methyl Acetate	116		115		70-130	1		20
Ethyl Acetate	101		101		70-130	0		20
Cyclohexane	109		104		70-130	5		20
Ethyl-Tert-Butyl-Ether	93		94		70-130	1		20
Tertiary-Amyl Methyl Ether	81		81		66-130	0		20
1,4-Dioxane	88		88		56-162	0		20
Freon-113	113		106		70-130	6		20
p-Diethylbenzene	93		90		70-130	3		20
p-Ethyltoluene	99		96		70-130	3		20
1,2,4,5-Tetramethylbenzene	88		86		70-130	2		20
Ethyl ether	113		108		59-134	5		20
trans-1,4-Dichloro-2-butene	93		93		70-130	0		20
Methyl cyclohexane	100		94		70-130	6		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG704274-1 WG704274-2

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

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01
Client ID: A4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/10/14 13:13
Analyst: RC
Percent Solids: 95%

Date Collected: 07/02/14 11:15
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/08/14 02:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	57.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	170	57.	1
1,2-Dichlorobenzene	ND		ug/kg	170	57.	1
1,3-Dichlorobenzene	ND		ug/kg	170	55.	1
1,4-Dichlorobenzene	ND		ug/kg	170	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	38.	1
2,6-Dinitrotoluene	ND		ug/kg	170	45.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	61.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	170	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	46.	1
Naphthalene	ND		ug/kg	170	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	46.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	34.	1
Di-n-octylphthalate	ND		ug/kg	170	43.	1
Diethyl phthalate	ND		ug/kg	170	37.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01
 Client ID: A4-EP-EL-5.75
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 07/02/14 11:15
 Date Received: 07/02/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	170	46.	1
2-Nitroaniline	ND		ug/kg	170	49.	1
3-Nitroaniline	ND		ug/kg	170	48.	1
4-Nitroaniline	ND		ug/kg	170	47.	1
Dibenzofuran	ND		ug/kg	170	58.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	54.	1
Acetophenone	ND		ug/kg	170	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	170	51.	1
2-Chlorophenol	ND		ug/kg	170	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	52.	1
2-Nitrophenol	ND		ug/kg	380	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	64.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	52.	1
2-Methylphenol	ND		ug/kg	170	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	57.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	54.	1
Carbazole	ND		ug/kg	170	38.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01

Date Collected: 07/02/14 11:15

Client ID: A4-EP-EL-5.75

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	60		0-136
4-Terphenyl-d14	65		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02
Client ID: B4/C4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/10/14 13:39
Analyst: RC
Percent Solids: 69%

Date Collected: 07/02/14 12:30
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/08/14 02:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	50.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	79.	1
Hexachlorobenzene	ND		ug/kg	140	45.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	68.	1
2-Chloronaphthalene	ND		ug/kg	240	78.	1
1,2-Dichlorobenzene	ND		ug/kg	240	79.	1
1,3-Dichlorobenzene	ND		ug/kg	240	76.	1
1,4-Dichlorobenzene	ND		ug/kg	240	73.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	52.	1
2,6-Dinitrotoluene	ND		ug/kg	240	62.	1
Fluoranthene	ND		ug/kg	140	44.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	73.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	55.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	85.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	73.	1
Hexachlorobutadiene	ND		ug/kg	240	68.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	150	1
Hexachloroethane	ND		ug/kg	190	44.	1
Isophorone	ND		ug/kg	220	64.	1
Naphthalene	ND		ug/kg	240	80.	1
Nitrobenzene	ND		ug/kg	220	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	190	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	72.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	240	63.	1
Butyl benzyl phthalate	ND		ug/kg	240	47.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	59.	1
Diethyl phthalate	ND		ug/kg	240	51.	1
Dimethyl phthalate	ND		ug/kg	240	61.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02
 Client ID: B4/C4-EP-EL-5.75
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 07/02/14 12:30
 Date Received: 07/02/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	140	47.	1
Benzo(a)pyrene	ND		ug/kg	190	59.	1
Benzo(b)fluoranthene	ND		ug/kg	140	49.	1
Benzo(k)fluoranthene	ND		ug/kg	140	46.	1
Chrysene	ND		ug/kg	140	47.	1
Acenaphthylene	ND		ug/kg	190	45.	1
Anthracene	ND		ug/kg	140	40.	1
Benzo(ghi)perylene	ND		ug/kg	190	50.	1
Fluorene	ND		ug/kg	240	69.	1
Phenanthrene	ND		ug/kg	140	47.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	47.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	190	53.	1
Pyrene	ND		ug/kg	140	47.	1
Biphenyl	ND		ug/kg	550	79.	1
4-Chloroaniline	ND		ug/kg	240	64.	1
2-Nitroaniline	ND		ug/kg	240	68.	1
3-Nitroaniline	ND		ug/kg	240	66.	1
4-Nitroaniline	ND		ug/kg	240	65.	1
Dibenzofuran	ND		ug/kg	240	80.	1
2-Methylnaphthalene	ND		ug/kg	290	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	75.	1
Acetophenone	ND		ug/kg	240	75.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
P-Chloro-M-Cresol	ND		ug/kg	240	70.	1
2-Chlorophenol	ND		ug/kg	240	73.	1
2,4-Dichlorophenol	ND		ug/kg	220	78.	1
2,4-Dimethylphenol	ND		ug/kg	240	72.	1
2-Nitrophenol	ND		ug/kg	520	75.	1
4-Nitrophenol	ND		ug/kg	340	78.	1
2,4-Dinitrophenol	ND		ug/kg	1200	330	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	88.	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	71.	1
2-Methylphenol	ND		ug/kg	240	78.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	79.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	78.	1
Benzoic Acid	ND		ug/kg	780	240	1
Benzyl Alcohol	ND		ug/kg	240	74.	1
Carbazole	ND		ug/kg	240	52.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02

Date Collected: 07/02/14 12:30

Client ID: B4/C4-EP-EL-5.75

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	73		0-136
4-Terphenyl-d14	74		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04
Client ID: FIELD BLANK
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/09/14 12:07
Analyst: PS

Date Collected: 07/02/14 14:30
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/05/14 09:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04
 Client ID: FIELD BLANK
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 07/02/14 14:30
 Date Received: 07/02/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	64		41-149

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04
Client ID: FIELD BLANK
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/08/14 17:52
Analyst: KR

Date Collected: 07/02/14 14:30
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/05/14 09:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.14	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04

Date Collected: 07/02/14 14:30

Client ID: FIELD BLANK

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	75		41-149

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/09/14 09:13
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 07/05/14 09:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG703398-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/09/14 09:13
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 07/05/14 09:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG703398-1					
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	85		41-149

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/08/14 09:11
 Analyst: KR

Extraction Method: EPA 3510C
 Extraction Date: 07/05/14 09:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04 Batch: WG703399-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/08/14 09:11
 Analyst: KR

Extraction Method: EPA 3510C
 Extraction Date: 07/05/14 09:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04 Batch: WG703399-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	64		41-149

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/10/14 11:56
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 07/08/14 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG703847-1					
Acenaphthene	ND		ug/kg	130	33.
Benzidine	ND		ug/kg	530	130
n-Nitrosodimethylamine	ND		ug/kg	320	52.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	43.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/10/14 11:56
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 07/08/14 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG703847-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
Aniline	ND		ug/kg	190	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/10/14 11:56
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 07/08/14 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG703847-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.
Pyridine	ND		ug/kg	640	58.
1-Methylnaphthalene	ND		ug/kg	160	48.

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/10/14 11:56
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 07/08/14 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG703847-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	79		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG703398-2 WG703398-3								
1,2,4-Trichlorobenzene	60		66		39-98	10		30
Bis(2-chloroethyl)ether	75		84		40-140	11		30
1,2-Dichlorobenzene	64		71		40-140	10		30
1,3-Dichlorobenzene	64		69		40-140	8		30
1,4-Dichlorobenzene	62		70		36-97	12		30
3,3'-Dichlorobenzidine	72		83		40-140	14		30
2,4-Dinitrotoluene	94		106	Q	24-96	12		30
2,6-Dinitrotoluene	87		95		40-140	9		30
4-Chlorophenyl phenyl ether	82		89		40-140	8		30
4-Bromophenyl phenyl ether	81		91		40-140	12		30
Bis(2-chloroisopropyl)ether	60		67		40-140	11		30
Bis(2-chloroethoxy)methane	79		89		40-140	12		30
Hexachlorocyclopentadiene	31	Q	35	Q	40-140	12		30
Isophorone	81		88		40-140	8		30
Nitrobenzene	72		81		40-140	12		30
NitrosoDiPhenylAmine(NDPA)/DPA	86		96		40-140	11		30
n-Nitrosodi-n-propylamine	77		85		29-132	10		30
Bis(2-ethylhexyl)phthalate	103		114		40-140	10		30
Butyl benzyl phthalate	95		104		40-140	9		30
Di-n-butylphthalate	95		105		40-140	10		30
Di-n-octylphthalate	105		117		40-140	11		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG703398-2 WG703398-3								
Diethyl phthalate	93		104		40-140	11		30
Dimethyl phthalate	87		96		40-140	10		30
Biphenyl	77		84			9		30
4-Chloroaniline	53		58		40-140	9		30
2-Nitroaniline	94		102		52-143	8		30
3-Nitroaniline	82		93		25-145	13		30
4-Nitroaniline	95		109		51-143	14		30
Dibenzofuran	79		90		40-140	13		30
1,2,4,5-Tetrachlorobenzene	66		74		2-134	11		30
Acetophenone	82		92		39-129	11		30
2,4,6-Trichlorophenol	81		87		30-130	7		30
P-Chloro-M-Cresol	90		102	Q	23-97	13		30
2-Chlorophenol	74		83		27-123	11		30
2,4-Dichlorophenol	69		78		30-130	12		30
2,4-Dimethylphenol	76		83		30-130	9		30
2-Nitrophenol	79		89		30-130	12		30
4-Nitrophenol	67		75		10-80	11		30
2,4-Dinitrophenol	103		117		20-130	13		30
4,6-Dinitro-o-cresol	98		110		20-164	12		30
Phenol	38		41		12-110	8		30
2-Methylphenol	68		78		30-130	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG703398-2 WG703398-3								
3-Methylphenol/4-Methylphenol	69		75		30-130	8		30
2,4,5-Trichlorophenol	82		94		30-130	14		30
Benzoic Acid	50		56			11		30
Benzyl Alcohol	74		81			9		30
Carbazole	91		100		55-144	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		55		21-120
Phenol-d6	33		38		10-120
Nitrobenzene-d5	75		85		23-120
2-Fluorobiphenyl	63		69		15-120
2,4,6-Tribromophenol	76		86		10-120
4-Terphenyl-d14	81		89		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04 Batch: WG703399-2 WG703399-3								
Acenaphthene	80		70		37-111	13		40
2-Chloronaphthalene	81		68		40-140	17		40
Fluoranthene	99		86		40-140	14		40
Hexachlorobutadiene	77		62		40-140	22		40
Naphthalene	76		66		40-140	14		40
Benzo(a)anthracene	112		97		40-140	14		40
Benzo(a)pyrene	112		96		40-140	15		40
Benzo(b)fluoranthene	119		106		40-140	12		40
Benzo(k)fluoranthene	106		92		40-140	14		40
Chrysene	104		90		40-140	14		40
Acenaphthylene	80		71		40-140	12		40
Anthracene	86		78		40-140	10		40
Benzo(ghi)perylene	105		97		40-140	8		40
Fluorene	84		73		40-140	14		40
Phenanthrene	90		78		40-140	14		40
Dibenzo(a,h)anthracene	118		106		40-140	11		40
Indeno(1,2,3-cd)pyrene	117		106		40-140	10		40
Pyrene	100		85		26-127	16		40
2-Methylnaphthalene	81		70		40-140	15		40
Pentachlorophenol	108	Q	90		9-103	18		40
Hexachlorobenzene	94		79		40-140	17		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414753**Report Date:** 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04 Batch: WG703399-2 WG703399-3								
Hexachloroethane	84		69		40-140	20		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		45		21-120
Phenol-d6	36		33		10-120
Nitrobenzene-d5	86		78		23-120
2-Fluorobiphenyl	79		70		15-120
2,4,6-Tribromophenol	94		83		10-120
4-Terphenyl-d14	82		72		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG703847-2 WG703847-3								
Acenaphthene	74		78		31-137	5		50
Benzidine	16		19			17		50
n-Nitrosodimethylamine	69		74			7		50
1,2,4-Trichlorobenzene	64		67		38-107	5		50
Hexachlorobenzene	69		70		40-140	1		50
Bis(2-chloroethyl)ether	69		74		40-140	7		50
2-Chloronaphthalene	65		68		40-140	5		50
1,2-Dichlorobenzene	63		67		40-140	6		50
1,3-Dichlorobenzene	64		67		40-140	5		50
1,4-Dichlorobenzene	63		67		28-104	6		50
3,3'-Dichlorobenzidine	67		70		40-140	4		50
2,4-Dinitrotoluene	84		88		28-89	5		50
2,6-Dinitrotoluene	80		82		40-140	2		50
Fluoranthene	79		82		40-140	4		50
4-Chlorophenyl phenyl ether	72		75		40-140	4		50
4-Bromophenyl phenyl ether	71		74		40-140	4		50
Azobenzene	84		86		40-140	2		50
Bis(2-chloroisopropyl)ether	77		82		40-140	6		50
Bis(2-chloroethoxy)methane	71		76		40-117	7		50
Hexachlorobutadiene	61		65		40-140	6		50
Hexachlorocyclopentadiene	67		71		40-140	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG703847-2 WG703847-3								
Hexachloroethane	67		73		40-140	9		50
Isophorone	70		75		40-140	7		50
Naphthalene	67		70		40-140	4		50
Nitrobenzene	74		79		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	78		80			3		50
n-Nitrosodi-n-propylamine	74		80		32-121	8		50
Bis(2-ethylhexyl)phthalate	101		106		40-140	5		50
Butyl benzyl phthalate	93		98		40-140	5		50
Di-n-butylphthalate	89		92		40-140	3		50
Di-n-octylphthalate	101		109		40-140	8		50
Diethyl phthalate	82		84		40-140	2		50
Dimethyl phthalate	78		80		40-140	3		50
Benzo(a)anthracene	84		87		40-140	4		50
Benzo(a)pyrene	85		89		40-140	5		50
Benzo(b)fluoranthene	90		94		40-140	4		50
Benzo(k)fluoranthene	80		80		40-140	0		50
Chrysene	84		87		40-140	4		50
Acenaphthylene	70		72		40-140	3		50
Anthracene	83		86		40-140	4		50
Benzo(ghi)perylene	81		83		40-140	2		50
Fluorene	75		77		40-140	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG703847-2 WG703847-3								
Phenanthrene	80		82		40-140	2		50
Dibenzo(a,h)anthracene	83		84		40-140	1		50
Indeno(1,2,3-cd)pyrene	88		89		40-140	1		50
Pyrene	79		81		35-142	3		50
Biphenyl	75		79			5		50
Aniline	38	Q	40		40-140	5		50
4-Chloroaniline	55		59		40-140	7		50
2-Nitroaniline	84		87		47-134	4		50
3-Nitroaniline	71		74		26-129	4		50
4-Nitroaniline	81		86		41-125	6		50
Dibenzofuran	74		77		40-140	4		50
2-Methylnaphthalene	66		69		40-140	4		50
1,2,4,5-Tetrachlorobenzene	68		72		40-117	6		50
Acetophenone	71		77		14-144	8		50
2,4,6-Trichlorophenol	71		73		30-130	3		50
P-Chloro-M-Cresol	79		82		26-103	4		50
2-Chlorophenol	69		73		25-102	6		50
2,4-Dichlorophenol	71		75		30-130	5		50
2,4-Dimethylphenol	66		73		30-130	10		50
2-Nitrophenol	69		74		30-130	7		50
4-Nitrophenol	99		100		11-114	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG703847-2 WG703847-3								
2,4-Dinitrophenol	39		23		4-130	52	Q	50
4,6-Dinitro-o-cresol	78		79		10-130	1		50
Pentachlorophenol	71		73		17-109	3		50
Phenol	68		74		26-90	8		50
2-Methylphenol	68		74		30-130	8		50
3-Methylphenol/4-Methylphenol	69		76		30-130	10		50
2,4,5-Trichlorophenol	72		75		30-130	4		50
Benzoic Acid	25		16			44		50
Benzyl Alcohol	70		75		40-140	7		50
Carbazole	82		84		54-128	2		50
Benzaldehyde	117		128			9		50
Caprolactam	112		119			6		50
Atrazine	104		104			0		50
2,3,4,6-Tetrachlorophenol	73		76			4		50
Pyridine	53		57		10-93	7		50
1-Methylnaphthalene	66		70		26-130	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG703847-2 WG703847-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		78		25-120
Phenol-d6	72		77		10-120
Nitrobenzene-d5	77		82		23-120
2-Fluorobiphenyl	69		73		30-120
2,4,6-Tribromophenol	76		77		0-136
4-Terphenyl-d14	80		80		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01
Client ID: A4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/04/14 22:07
Analyst: TQ
Percent Solids: 95%

Date Collected: 07/02/14 11:15
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/03/14 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 07/04/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	2.64	1	A
Aroclor 1221	ND		ug/kg	33.4	3.08	1	A
Aroclor 1232	ND		ug/kg	33.4	3.92	1	A
Aroclor 1242	ND		ug/kg	33.4	4.09	1	A
Aroclor 1248	ND		ug/kg	33.4	2.82	1	A
Aroclor 1254	ND		ug/kg	33.4	2.75	1	A
Aroclor 1260	ND		ug/kg	33.4	2.55	1	A
Aroclor 1262	ND		ug/kg	33.4	1.66	1	A
Aroclor 1268	ND		ug/kg	33.4	4.85	1	A
PCBs, Total	ND		ug/kg	33.4	1.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02
Client ID: B4/C4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/04/14 22:19
Analyst: TQ
Percent Solids: 69%

Date Collected: 07/02/14 12:30
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/03/14 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 07/04/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.7	3.77	1	A
Aroclor 1221	ND		ug/kg	47.7	4.40	1	A
Aroclor 1232	ND		ug/kg	47.7	5.59	1	A
Aroclor 1242	ND		ug/kg	47.7	5.84	1	A
Aroclor 1248	ND		ug/kg	47.7	4.02	1	A
Aroclor 1254	ND		ug/kg	47.7	3.92	1	A
Aroclor 1260	ND		ug/kg	47.7	3.63	1	A
Aroclor 1262	ND		ug/kg	47.7	2.36	1	A
Aroclor 1268	ND		ug/kg	47.7	6.91	1	A
PCBs, Total	ND		ug/kg	47.7	2.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04
Client ID: FIELD BLANK
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/09/14 19:52
Analyst: JT

Date Collected: 07/02/14 14:30
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/08/14 12:15
Cleanup Method: EPA 3665A
Cleanup Date: 07/08/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	99		30-150	A

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/04/14 22:32
 Analyst: TQ

Extraction Method: EPA 3546
 Extraction Date: 07/03/14 10:49
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/04/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG703131-1						
Aroclor 1016	ND		ug/kg	31.7	2.51	A
Aroclor 1221	ND		ug/kg	31.7	2.93	A
Aroclor 1232	ND		ug/kg	31.7	3.72	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	2.68	A
Aroclor 1254	ND		ug/kg	31.7	2.61	A
Aroclor 1260	ND		ug/kg	31.7	2.42	A
Aroclor 1262	ND		ug/kg	31.7	1.57	A
Aroclor 1268	ND		ug/kg	31.7	4.60	A
PCBs, Total	ND		ug/kg	31.7	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/09/14 20:06
 Analyst: JT

Extraction Method: EPA 3510C
 Extraction Date: 07/08/14 12:15
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/08/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04 Batch: WG704011-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	120		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG703131-2 WG703131-3									
Aroclor 1016	67		63		40-140	6		50	A
Aroclor 1260	71		63		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		69		30-150	A
Decachlorobiphenyl	80		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		77		30-150	B
Decachlorobiphenyl	74		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04 Batch: WG704011-2 WG704011-3									
Aroclor 1016	70		60		40-140	15		50	A
Aroclor 1260	73		68		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		71		30-150	B
Decachlorobiphenyl	109		100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		76		30-150	A
Decachlorobiphenyl	116		106		30-150	A

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-01
Client ID: A4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/09/14 14:50
Analyst: JW
Percent Solids: 95%

Date Collected: 07/02/14 11:15
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/08/14 05:28
Cleanup Method: EPA 3620B
Cleanup Date: 07/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.315	1	A
Lindane	ND		ug/kg	0.670	0.300	1	A
Alpha-BHC	ND		ug/kg	0.670	0.190	1	A
Beta-BHC	ND		ug/kg	1.61	0.610	1	A
Heptachlor	ND		ug/kg	0.804	0.360	1	A
Aldrin	ND		ug/kg	1.61	0.566	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.904	1	A
Endrin	ND		ug/kg	0.670	0.275	1	A
Dieldrin	ND		ug/kg	1.00	0.502	1	A
4,4'-DDE	ND		ug/kg	1.61	0.372	1	A
4,4'-DDD	ND		ug/kg	1.61	0.574	1	A
4,4'-DDT	ND		ug/kg	3.02	1.29	1	A
Endosulfan I	ND		ug/kg	1.61	0.380	1	A
Endosulfan II	ND		ug/kg	1.61	0.537	1	A
Endosulfan sulfate	ND		ug/kg	0.670	0.319	1	A
Methoxychlor	ND		ug/kg	3.02	0.938	1	A
cis-Chlordane	ND		ug/kg	2.01	0.560	1	A
trans-Chlordane	ND		ug/kg	2.01	0.531	1	A
Chlordane	ND		ug/kg	13.1	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-02
Client ID: B4/C4-EP-EL-5.75
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/09/14 15:03
Analyst: JW
Percent Solids: 69%

Date Collected: 07/02/14 12:30
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/08/14 05:28
Cleanup Method: EPA 3620B
Cleanup Date: 07/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.28	0.447	1	A
Lindane	ND		ug/kg	0.950	0.425	1	A
Alpha-BHC	ND		ug/kg	0.950	0.270	1	A
Beta-BHC	ND		ug/kg	2.28	0.865	1	A
Heptachlor	ND		ug/kg	1.14	0.511	1	A
Aldrin	ND		ug/kg	2.28	0.803	1	A
Heptachlor epoxide	ND		ug/kg	4.28	1.28	1	A
Endrin	ND		ug/kg	0.950	0.390	1	A
Dieldrin	ND		ug/kg	1.42	0.713	1	A
4,4'-DDE	ND		ug/kg	2.28	0.528	1	A
4,4'-DDD	ND		ug/kg	2.28	0.814	1	A
4,4'-DDT	ND		ug/kg	4.28	1.83	1	A
Endosulfan I	ND		ug/kg	2.28	0.539	1	A
Endosulfan II	ND		ug/kg	2.28	0.762	1	A
Endosulfan sulfate	ND		ug/kg	0.950	0.452	1	A
Methoxychlor	ND		ug/kg	4.28	1.33	1	A
cis-Chlordane	ND		ug/kg	2.85	0.794	1	A
trans-Chlordane	ND		ug/kg	2.85	0.753	1	A
Chlordane	ND		ug/kg	18.5	7.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414753**Project Number:** E040**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414753-04
Client ID: FIELD BLANK
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/10/14 13:37
Analyst: SH

Date Collected: 07/02/14 14:30
Date Received: 07/02/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/08/14 16:02
Cleanup Method: EPA 3620B
Cleanup Date: 07/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/09/14 14:09
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 07/08/14 05:28
 Cleanup Method: EPA 3620B
 Cleanup Date: 07/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG703860-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.650	0.290	A
Alpha-BHC	ND		ug/kg	0.650	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.591	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.877	A
Endrin	ND		ug/kg	0.650	0.266	A
Dieldrin	ND		ug/kg	0.975	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
cis-Chlordane	ND		ug/kg	1.95	0.543	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	12.7	5.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/10/14 12:57
 Analyst: SH

Extraction Method: EPA 3510C
 Extraction Date: 07/08/14 16:02
 Cleanup Method: EPA 3620B
 Cleanup Date: 07/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG704101-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG703860-2 WG703860-3									
Delta-BHC	138		154	Q	30-150	11		30	A
Lindane	143		160	Q	30-150	11		30	A
Alpha-BHC	153	Q	166	Q	30-150	8		30	A
Beta-BHC	118		131		30-150	10		30	A
Heptachlor	167	Q	183	Q	30-150	9		30	A
Aldrin	158	Q	173	Q	30-150	9		30	A
Heptachlor epoxide	145		159	Q	30-150	9		30	A
Endrin	167	Q	179	Q	30-150	7		30	A
Endrin ketone	140		156	Q	30-150	11		30	A
Dieldrin	155	Q	169	Q	30-150	9		30	A
4,4'-DDE	152	Q	167	Q	30-150	9		30	A
4,4'-DDD	161	Q	177	Q	30-150	9		30	A
4,4'-DDT	190	Q	209	Q	30-150	10		30	A
Endosulfan I	154	Q	168	Q	30-150	9		30	A
Endosulfan II	148		163	Q	30-150	10		30	A
Endosulfan sulfate	138		152	Q	30-150	10		30	A
Methoxychlor	157	Q	177	Q	30-150	12		30	A
cis-Chlordane	144		160	Q	30-150	11		30	A
trans-Chlordane	145		161	Q	30-150	10		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG703860-2 WG703860-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		80		30-150	A
Decachlorobiphenyl	76		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	B
Decachlorobiphenyl	83		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG704101-2 WG704101-3									
Delta-BHC	73		73		30-150	0		20	A
Lindane	86		87		30-150	0		20	A
Alpha-BHC	90		90		30-150	0		20	A
Beta-BHC	75		74		30-150	1		20	A
Heptachlor	91		94		30-150	3		20	A
Aldrin	83		88		30-150	5		20	A
Heptachlor epoxide	85		84		30-150	1		20	A
Endrin	91		92		30-150	1		20	A
Endrin ketone	78		77		30-150	2		20	A
Dieldrin	90		90		30-150	0		20	A
4,4'-DDE	86		85		30-150	1		20	A
4,4'-DDD	91		89		30-150	2		20	A
4,4'-DDT	102		103		30-150	1		20	A
Endosulfan I	88		88		30-150	0		20	A
Endosulfan II	86		87		30-150	1		20	A
Endosulfan sulfate	78		78		30-150	0		20	A
Methoxychlor	86		89		30-150	4		20	A
cis-Chlordane	83		84		30-150	1		20	A
trans-Chlordane	85		85		30-150	0		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG704101-2 WG704101-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	A
Decachlorobiphenyl	77		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		72		30-150	B
Decachlorobiphenyl	78		75		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

SAMPLE RESULTS

Lab ID: L1414753-01

Date Collected: 07/02/14 11:15

Client ID: A4-EP-EL-5.75

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3600		mg/kg	8.0	1.6	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.0	0.64	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Arsenic, Total	0.30	J	mg/kg	0.80	0.16	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Barium, Total	51		mg/kg	0.80	0.24	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Beryllium, Total	0.30	J	mg/kg	0.40	0.08	2	07/07/14 21:40	07/09/14 19:08	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.80	0.06	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Calcium, Total	10000		mg/kg	8.0	2.4	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Chromium, Total	9.2		mg/kg	0.80	0.16	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Cobalt, Total	3.8		mg/kg	1.6	0.40	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.80	0.16	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Iron, Total	9300		mg/kg	4.0	1.6	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Lead, Total	4.9		mg/kg	4.0	0.16	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Magnesium, Total	4000		mg/kg	8.0	0.80	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Manganese, Total	350		mg/kg	0.80	0.16	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.01	1	07/04/14 08:00	07/07/14 10:41	EPA 7471B	1,7471B	MC
Nickel, Total	9.5		mg/kg	2.0	0.32	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Potassium, Total	1100		mg/kg	200	32.	2	07/07/14 21:40	07/09/14 19:08	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.6	0.24	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.80	0.16	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Sodium, Total	170		mg/kg	160	24.	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.6	0.32	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Vanadium, Total	11		mg/kg	0.80	0.08	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH
Zinc, Total	15		mg/kg	4.0	0.56	2	07/07/14 21:40	07/09/14 15:23	EPA 3050B	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

SAMPLE RESULTS

Lab ID: L1414753-02

Date Collected: 07/02/14 12:30

Client ID: B4/C4-EP-EL-5.75

Date Received: 07/02/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9400		mg/kg	11	2.2	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	5.6	0.90	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Arsenic, Total	1.5		mg/kg	1.1	0.22	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Barium, Total	120		mg/kg	1.1	0.34	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Beryllium, Total	0.66		mg/kg	0.56	0.11	2	07/07/14 21:40	07/09/14 19:12	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.1	0.08	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Calcium, Total	20000		mg/kg	11	3.4	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Chromium, Total	22		mg/kg	1.1	0.22	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Cobalt, Total	8.3		mg/kg	2.2	0.56	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Copper, Total	23		mg/kg	1.1	0.22	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Iron, Total	22000		mg/kg	5.6	2.2	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Lead, Total	11		mg/kg	5.6	0.22	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Magnesium, Total	7600		mg/kg	11	1.1	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Manganese, Total	760		mg/kg	1.1	0.22	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Mercury, Total	0.089	J	mg/kg	0.091	0.019	1	07/04/14 08:00	07/07/14 10:47	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.8	0.45	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Potassium, Total	2600		mg/kg	280	45.	2	07/07/14 21:40	07/09/14 19:12	EPA 3050B	1,6010C	JH
Selenium, Total	0.52	J	mg/kg	2.2	0.34	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.1	0.22	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Sodium, Total	280		mg/kg	220	34.	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.2	0.45	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Vanadium, Total	24		mg/kg	1.1	0.11	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH
Zinc, Total	36		mg/kg	5.6	0.79	2	07/07/14 21:40	07/09/14 15:27	EPA 3050B	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

SAMPLE RESULTS

Lab ID: L1414753-04
 Client ID: FIELD BLANK
 Sample Location: 520 W 28TH ST., NYC
 Matrix: Water

Date Collected: 07/02/14 14:30
 Date Received: 07/02/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Antimony, Total	0.00024	J	mg/l	0.00200	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Barium, Total	0.00018	J	mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Chromium, Total	0.00057	J	mg/l	0.00100	0.00020	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Copper, Total	0.00010	J	mg/l	0.00100	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Manganese, Total	0.00011	J	mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/07/14 14:38	07/08/14 12:29	EPA 7470A	1,7470A	AK
Nickel, Total	0.00022	J	mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Sodium, Total	0.103		mg/l	0.100	0.0150	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL
Zinc, Total	0.00124	J	mg/l	0.01000	0.00120	1	07/08/14 10:03	07/08/14 14:54	EPA 3005A	1,6020A	KL



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414753
Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG703317-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/04/14 08:00	07/07/14 10:02	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG703669-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/07/14 14:38	07/08/14 12:17	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG703791-1										
Aluminum, Total	6.2		mg/kg	4.0	0.80	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Calcium, Total	12		mg/kg	4.0	1.2	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH



Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Selenium, Total	ND	mg/kg	0.80	0.12	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Silver, Total	ND	mg/kg	0.40	0.08	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Sodium, Total	ND	mg/kg	80	12.	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Thallium, Total	ND	mg/kg	0.80	0.16	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Vanadium, Total	ND	mg/kg	0.40	0.04	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH
Zinc, Total	ND	mg/kg	2.0	0.28	1	07/07/14 21:40	07/09/14 11:30	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG703934-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Antimony, Total	0.00019	J	mg/l	0.00200	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Chromium, Total	0.00058	J	mg/l	0.00100	0.00020	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Nickel, Total	0.00012	J	mg/l	0.00050	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Vanadium, Total	0.00020	J	mg/l	0.00500	0.00010	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	07/08/14 10:03	07/08/14 14:50	1,6020A	KL

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG703317-2 SRM Lot Number: 0518-10-02								
Mercury, Total	130		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG703669-2								
Mercury, Total	94		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG703791-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	78	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	102	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	91	-	80-120	-	
Magnesium, Total	83	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	107	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	102	-	66-134	-	
Sodium, Total	117	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG703791-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG703934-2					
Aluminum, Total	93	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	89	-	80-120	-	
Barium, Total	99	-	80-120	-	
Beryllium, Total	89	-	80-120	-	
Cadmium, Total	109	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	96	-	80-120	-	
Cobalt, Total	97	-	80-120	-	
Copper, Total	92	-	80-120	-	
Iron, Total	91	-	80-120	-	
Lead, Total	99	-	80-120	-	
Magnesium, Total	98	-	80-120	-	
Manganese, Total	95	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Potassium, Total	95	-	80-120	-	
Selenium, Total	110	-	80-120	-	
Silver, Total	93	-	80-120	-	
Sodium, Total	95	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414753**Report Date:** 07/10/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG703934-2					
Zinc, Total	99	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1414753

Project Number: E040

Report Date: 07/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG703317-4 QC Sample: L1414742-01 Client ID: MS Sample												
Mercury, Total	ND	0.15	0.23	154	Q	-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG703669-4 QC Sample: L1414659-11 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00458	92		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG703791-3 WG703791-4 QC Sample: L1414659-02 Client ID: MS Sample											
Aluminum, Total	6900	174	8800	1090	Q	7800	512	Q	75-125	12	20
Antimony, Total	ND	43.4	34	78		41	93		75-125	19	20
Arsenic, Total	7.0	10.4	16	86		14	66	Q	75-125	13	20
Barium, Total	88.	174	240	88		220	75		75-125	9	20
Beryllium, Total	0.52	4.34	4.5	92		4.8	97		75-125	6	20
Cadmium, Total	0.47	4.43	4.8	98		4.5	90		75-125	6	20
Calcium, Total	12000	868	3800	0	Q	2100	0	Q	75-125	58	Q 20
Chromium, Total	12.	17.4	27	86		28	91		75-125	4	20
Cobalt, Total	9.3	43.4	50	94		49	90		75-125	2	20
Copper, Total	15.	21.7	37	101		36	96		75-125	3	20
Iron, Total	20000	86.8	19000	0	Q	16000	0	Q	75-125	17	20
Lead, Total	12.	44.3	43	70	Q	45	74	Q	75-125	5	20
Magnesium, Total	1300	868	2000	80		2000	80		75-125	0	20
Manganese, Total	560	43.4	760	460	Q	330	0	Q	75-125	79	Q 20
Nickel, Total	14.	43.4	50	83		52	86		75-125	4	20
Potassium, Total	530	868	1400	100		1300	88		75-125	7	20
Selenium, Total	0.57J	10.4	9.2	88		10	95		75-125	8	20
Silver, Total	ND	26	25	96		27	102		75-125	8	20
Sodium, Total	100	868	1000	104		1100	114		75-125	10	20
Thallium, Total	ND	10.4	6.3	60	Q	7.5	71	Q	75-125	17	20
Vanadium, Total	14.	43.4	52	88		54	91		75-125	4	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG703791-3 WG703791-4 QC Sample: L1414659-02 Client ID: MS Sample											
Zinc, Total	130	43.4	150	46	Q	140	23	Q	75-125	7	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG703934-4 QC Sample: L1414876-02 Client ID: MS Sample									
Aluminum, Total	0.472	2	2.49	100	-	-	75-125	-	20
Antimony, Total	0.00226	0.5	0.4960	97	-	-	75-125	-	20
Arsenic, Total	0.04937	0.12	0.1944	119	-	-	75-125	-	20
Barium, Total	0.2371	2	2.462	111	-	-	75-125	-	20
Beryllium, Total	0.00023J	0.05	0.04866	97	-	-	75-125	-	20
Cadmium, Total	0.00014J	0.051	0.06078	119	-	-	75-125	-	20
Calcium, Total	141.	10	154	130	Q	-	75-125	-	20
Chromium, Total	0.00156	0.2	0.2074	104	-	-	75-125	-	20
Cobalt, Total	0.00294	0.5	0.5318	106	-	-	75-125	-	20
Copper, Total	0.01484	0.25	0.2810	112	-	-	75-125	-	20
Iron, Total	2.14	1	3.44	130	Q	-	75-125	-	20
Lead, Total	0.03942	0.51	0.5940	109	-	-	75-125	-	20
Magnesium, Total	27.9	10	41.9	119	-	-	75-125	-	20
Manganese, Total	1.269	0.5	1.914	129	Q	-	75-125	-	20
Nickel, Total	0.00400	0.5	0.5216	104	-	-	75-125	-	20
Potassium, Total	7.28	10	17.8	101	-	-	75-125	-	20
Selenium, Total	0.00088J	0.12	0.161	134	Q	-	75-125	-	20
Silver, Total	0.00029J	0.05	0.05304	106	-	-	75-125	-	20
Sodium, Total	142.	10	154	120	-	-	75-125	-	20
Thallium, Total	0.00009J	0.12	0.1214	101	-	-	75-125	-	20
Vanadium, Total	0.00466J	0.5	0.5554	111	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG703934-4 QC Sample: L1414876-02 Client ID: MS Sample									
Zinc, Total	0.04247	0.5	0.6032	121	-	-	75-125	-	20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1414753

Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG703317-3 QC Sample: L1414742-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG703669-3 QC Sample: L1414659-11 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG703934-3 QC Sample: L1414876-02 Client ID: DUP Sample					
Aluminum, Total	0.472	0.469	mg/l	1	20
Antimony, Total	0.00226	0.00187J	mg/l	NC	20
Arsenic, Total	0.04937	0.04781	mg/l	3	20
Barium, Total	0.2371	0.2380	mg/l	0	20
Beryllium, Total	0.00023J	0.00023J	mg/l	NC	20
Cadmium, Total	0.00014J	0.00019J	mg/l	NC	20
Chromium, Total	0.00156	0.00144	mg/l	8	20
Cobalt, Total	0.00294	0.00298	mg/l	1	20
Copper, Total	0.01484	0.01344	mg/l	10	20
Iron, Total	2.14	2.06	mg/l	4	20
Lead, Total	0.03942	0.03646	mg/l	8	20
Magnesium, Total	27.9	28.0	mg/l	0	20
Nickel, Total	0.00400	0.00427	mg/l	6	20
Potassium, Total	7.28	7.37	mg/l	1	20
Selenium, Total	0.00088J	0.00056J	mg/l	NC	20
Silver, Total	0.00029J	0.00028J	mg/l	NC	20
Thallium, Total	0.00009J	0.00008J	mg/l	NC	20
Vanadium, Total	0.00466J	0.00486J	mg/l	NC	20
Zinc, Total	0.04247	0.04172	mg/l	2	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG703934-3 QC Sample: L1414876-02 Client ID: DUP Sample					
Calcium, Total	141.	138	mg/l	2	20
Manganese, Total	1.269	1.264	mg/l	0	20
Sodium, Total	142.	142	mg/l	0	20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414753**Report Date:** 07/10/14**SAMPLE RESULTS****Lab ID:** L1414753-01**Client ID:** A4-EP-EL-5.75**Sample Location:** 520 W 28TH ST., NYC**Matrix:** Soil**Date Collected:** 07/02/14 11:15**Date Received:** 07/02/14**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	94.7		%	0.100	NA	1	-	07/03/14 02:48	30,2540G	RT



Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

SAMPLE RESULTS

Lab ID: L1414753-02

Client ID: B4/C4-EP-EL-5.75

Sample Location: 520 W 28TH ST., NYC

Matrix: Soil

Date Collected: 07/02/14 12:30

Date Received: 07/02/14

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	68.9		%	0.100	NA	1	-	07/03/14 02:48	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1414753
Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG703028-1 QC Sample: L1414742-01 Client ID: DUP Sample						
Solids, Total	88.3	87.4	%	1		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 07/03/2014 03:42

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414753-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1414753-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1414753-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1414753-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1414753-01E	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1414753-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1414753-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1414753-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1414753-02A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1414753-02B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1414753-02C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1414753-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1414753-02E	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414753

Report Date: 07/10/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414753-02X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1414753-02Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1414753-02Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1414753-03A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1414753-03B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1414753-04A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1414753-04B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1414753-04C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1414753-04D	Plastic 500ml HNO3 preserved	A	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1414753-04E	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1414753-04F	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1414753-04G	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1414753-04H	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1414753-04I	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1414753-04J	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414753
Report Date: 07/10/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414753
Report Date: 07/10/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414753
Report Date: 07/10/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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.



ANALYTICAL REPORT

Lab Number:	L1414332
Client:	Integral Consulting, Inc. 61 Broadway Suite 1601 New York, NY 10006-2756
ATTN:	Alana Carroll
Phone:	(212) 440-6706
Project Name:	520 WEST 28TH STREET
Project Number:	E040
Report Date:	07/07/14

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

Certifications & Approvals: MA (M-MA086), NY (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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1414332-01	B6-EP (EL-6)	SOIL	520 W 28TH ST., NYC	06/27/14 08:15	06/27/14
L1414332-02	B5-EP (EL-6)	SOIL	520 W 28TH ST., NYC	06/27/14 08:25	06/27/14
L1414332-03	A5-EP (EL-6)	SOIL	520 W 28TH ST., NYC	06/27/14 08:35	06/27/14
L1414332-04	C5/C6-EP (EL-6)	SOIL	520 W 28TH ST., NYC	06/27/14 08:45	06/27/14
L1414332-05	DUPLICATE	SOIL	520 W 28TH ST., NYC	06/27/14 00:00	06/27/14
L1414332-06	TRIP BLANK	WATER	520 W 28TH ST., NYC	06/27/14 00:00	06/27/14

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

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: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

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.

Volatile Organics

The WG702793-4/-5 MS/MSD recoveries, performed on L1414332-02, are outside the acceptance criteria for 1,2-dibromo-3-chloropropane (MS at 67%), hexachlorobutadiene (64%/62%), naphthalene (67%/68%), 1,2,3-trichlorobenzene (69%/67%), and 1,2,4-trichlorobenzene (69%/66%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics

The WG702896-2/-3 LCS/LCSD recoveries, associated with L1414332-01 through -05, are below the acceptance criteria for benzoic acid (7%/6%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Metals

L1414332-01 through -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

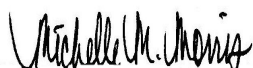
The WG702583-1 Method Blank, associated with L1414332-01, -02, and -04, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG702583-3/-4 MS/MSD recoveries for aluminum (MS at 412%), calcium (0%/0%), iron (0%/0%), and manganese (41%/0%), performed on L1414332-02, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG702583-4 MSD recovery, performed on L1414332-02, is outside the acceptance criteria for zinc (130%). A post digestion spike was performed and was within acceptance criteria.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 07/07/14

ORGANICS

VOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01
Client ID: B6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/01/14 12:52
Analyst: BN
Percent Solids: 80%

Date Collected: 06/27/14 08:15
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.25	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01
 Client ID: B6-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:15
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylene (Total)	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	3.2	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01

Date Collected: 06/27/14 08:15

Client ID: B6-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02
Client ID: B5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/01/14 13:18
Analyst: BN
Percent Solids: 81%

Date Collected: 06/27/14 08:25
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	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	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02
 Client ID: B5-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:25
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.10	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylene (Total)	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	4.0	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	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	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.6	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02

Date Collected: 06/27/14 08:25

Client ID: B5-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1
4-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03
Client ID: A5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/01/14 14:38
Analyst: BN
Percent Solids: 80%

Date Collected: 06/27/14 08:35
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		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	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03

Date Collected: 06/27/14 08:35

Client ID: A5-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.19	1
Xylene (Total)	ND		ug/kg	2.3	0.19	1
cis-1,2-Dichloroethene	0.31	J	ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	0.31	J	ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.3	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	4.2	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	0.26	J	ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03

Date Collected: 06/27/14 08:35

Client ID: A5-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1
4-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04
Client ID: C5/C6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/01/14 15:05
Analyst: BN
Percent Solids: 84%

Date Collected: 06/27/14 08:45
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04
 Client ID: C5/C6-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:45
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.20	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylene (Total)	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	4.2	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04
 Client ID: C5/C6-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:45
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/01/14 15:32
Analyst: BN
Percent Solids: 83%

Date Collected: 06/27/14 00:00
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05

Date Collected: 06/27/14 00:00

Client ID: DUPLICATE

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylene (Total)	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	3.2	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05

Date Collected: 06/27/14 00:00

Client ID: DUPLICATE

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-06
Client ID: TRIP BLANK
Sample Location: 520 W 28TH ST., NYC
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/04/14 16:47
Analyst: PD

Date Collected: 06/27/14 00:00
Date Received: 06/27/14
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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-06

Date Collected: 06/27/14 00:00

Client ID: TRIP BLANK

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	ND		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

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-06

Date Collected: 06/27/14 00:00

Client ID: TRIP BLANK

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
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	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	94		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/01/14 09:10
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG702793-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
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	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/01/14 09:10
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG702793-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.4	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
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	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/01/14 09:10
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG702793-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
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	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/01/14 09:10

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG702793-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/04/14 14:28
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG703360-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	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
1,3-Dichloropropene, Total	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

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/04/14 14:28
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG703360-3					
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
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	1.2
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
Acrolein	ND		ug/l	5.0	0.63
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

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/04/14 14:28
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG703360-3					
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/04/14 14:28
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG703360-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG702793-1 WG702793-2								
Methylene chloride	103		108		70-130	5		30
1,1-Dichloroethane	102		108		70-130	6		30
Chloroform	99		107		70-130	8		30
Carbon tetrachloride	100		105		70-130	5		30
1,2-Dichloropropane	100		108		70-130	8		30
Dibromochloromethane	88		94		70-130	7		30
1,1,2-Trichloroethane	89		96		70-130	8		30
Tetrachloroethene	94		99		70-130	5		30
Chlorobenzene	94		98		70-130	4		30
Trichlorofluoromethane	102		108		70-139	6		30
1,2-Dichloroethane	99		106		70-130	7		30
1,1,1-Trichloroethane	101		107		70-130	6		30
Bromodichloromethane	96		103		70-130	7		30
trans-1,3-Dichloropropene	88		96		70-130	9		30
cis-1,3-Dichloropropene	98		108		70-130	10		30
1,1-Dichloropropene	102		108		70-130	6		30
Bromoform	83		90		70-130	8		30
1,1,2,2-Tetrachloroethane	85		92		70-130	8		30
Benzene	100		106		70-130	6		30
Toluene	90		94		70-130	4		30
Ethylbenzene	93		96		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG702793-1 WG702793-2								
Chloromethane	92		90		52-130	2		30
Bromomethane	124		116		57-147	7		30
Vinyl chloride	94		100		67-130	6		30
Chloroethane	94		98		50-151	4		30
1,1-Dichloroethene	97		104		65-135	7		30
trans-1,2-Dichloroethene	101		108		70-130	7		30
Trichloroethene	101		108		70-130	7		30
1,2-Dichlorobenzene	87		93		70-130	7		30
1,3-Dichlorobenzene	90		96		70-130	6		30
1,4-Dichlorobenzene	90		96		70-130	6		30
Methyl tert butyl ether	95		103		66-130	8		30
p/m-Xylene	94		99		70-130	5		30
o-Xylene	94		99		70-130	5		30
cis-1,2-Dichloroethene	100		108		70-130	8		30
Dibromomethane	98		107		70-130	9		30
Styrene	94		99		70-130	5		30
Dichlorodifluoromethane	76		80		30-146	5		30
Acetone	104		111		54-140	7		30
Carbon disulfide	93		99		59-130	6		30
2-Butanone	97		103		70-130	6		30
Vinyl acetate	99		106		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG702793-1 WG702793-2								
4-Methyl-2-pentanone	97		104		70-130	7		30
1,2,3-Trichloropropane	88		95		68-130	8		30
2-Hexanone	92		95		70-130	3		30
Bromochloromethane	102		109		70-130	7		30
2,2-Dichloropropane	100		107		70-130	7		30
1,2-Dibromoethane	90		96		70-130	6		30
1,3-Dichloropropane	91		97		69-130	6		30
1,1,1,2-Tetrachloroethane	90		95		70-130	5		30
Bromobenzene	87		94		70-130	8		30
n-Butylbenzene	92		96		70-130	4		30
sec-Butylbenzene	91		96		70-130	5		30
tert-Butylbenzene	90		96		70-130	6		30
o-Chlorotoluene	90		95		70-130	5		30
p-Chlorotoluene	91		96		70-130	5		30
1,2-Dibromo-3-chloropropane	80		88		68-130	10		30
Hexachlorobutadiene	85		87		67-130	2		30
Isopropylbenzene	94		98		70-130	4		30
p-Isopropyltoluene	90		95		70-130	5		30
Naphthalene	82		87		70-130	6		30
Acrylonitrile	97		107		70-130	10		30
Diisopropyl Ether	101		108		66-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG702793-1 WG702793-2								
Tert-Butyl Alcohol	91		98		70-130	7		30
n-Propylbenzene	91		96		70-130	5		30
1,2,3-Trichlorobenzene	86		88		70-130	2		30
1,2,4-Trichlorobenzene	88		91		70-130	3		30
1,3,5-Trimethylbenzene	89		94		70-130	5		30
1,2,4-Trimethylbenzene	89		94		70-130	5		30
Methyl Acetate	94		102		51-146	8		30
Ethyl Acetate	97		104		70-130	7		30
Acrolein	110		108		70-130	2		30
Cyclohexane	103		109		59-142	6		30
1,4-Dioxane	100		108		65-136	8		30
Freon-113	103		109		50-139	6		30
p-Diethylbenzene	103		108		70-130	5		30
p-Ethyltoluene	104		110		70-130	6		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	85		105		66-130	21		30
Ethyl ether	91		100		67-130	9		30
trans-1,4-Dichloro-2-butene	84		91		70-130	8		30
Methyl cyclohexane	105		108		70-130	3		30
Ethyl-Tert-Butyl-Ether	99		107		70-130	8		30
Tertiary-Amyl Methyl Ether	96		103		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG702793-1 WG702793-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

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: WG703360-1 WG703360-2								
Methylene chloride	114		112		70-130	2		20
1,1-Dichloroethane	105		101		70-130	4		20
Chloroform	102		99		70-130	3		20
2-Chloroethylvinyl ether	92		91		70-130	1		20
Carbon tetrachloride	100		96		63-132	4		20
1,2-Dichloropropane	99		98		70-130	1		20
Dibromochloromethane	90		89		63-130	1		20
1,1,2-Trichloroethane	96		95		70-130	1		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	118		112		62-150	5		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	102		98		67-130	4		20
Bromodichloromethane	97		94		67-130	3		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
cis-1,3-Dichloropropene	95		93		70-130	2		20
1,1-Dichloropropene	103		99		70-130	4		20
Bromoform	86		86		54-136	0		20
1,1,2,2-Tetrachloroethane	98		96		67-130	2		20
Benzene	102		98		70-130	4		20
Toluene	102		98		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

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: WG703360-1 WG703360-2								
Ethylbenzene	104		101		70-130	3		20
Chloromethane	105		101		64-130	4		20
Bromomethane	111		106		39-139	5		20
Vinyl chloride	109		104		55-140	5		20
Chloroethane	140	Q	134		55-138	4		20
1,1-Dichloroethene	120		112		61-145	7		20
trans-1,2-Dichloroethene	102		98		70-130	4		20
Trichloroethene	102		98		70-130	4		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	101		98		70-130	3		20
1,4-Dichlorobenzene	102		98		70-130	4		20
Methyl tert butyl ether	94		92		63-130	2		20
p/m-Xylene	105		101		70-130	4		20
o-Xylene	104		101		70-130	3		20
cis-1,2-Dichloroethene	102		99		70-130	3		20
Dibromomethane	95		95		70-130	0		20
1,2,3-Trichloropropane	101		99		64-130	2		20
Acrylonitrile	89		89		70-130	0		20
Diisopropyl Ether	102		101		70-130	1		20
Tert-Butyl Alcohol	84		84		70-130	0		20
Styrene	104		101		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

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: WG703360-1 WG703360-2								
Dichlorodifluoromethane	106		98		36-147	8		20
Acetone	89		76		58-148	16		20
Carbon disulfide	124		117		51-130	6		20
2-Butanone	91		89		63-138	2		20
Vinyl acetate	98		97		70-130	1		20
4-Methyl-2-pentanone	84		83		59-130	1		20
2-Hexanone	76		74		57-130	3		20
Acrolein	100		103		40-160	3		20
Bromochloromethane	100		99		70-130	1		20
2,2-Dichloropropane	106		101		63-133	5		20
1,2-Dibromoethane	93		93		70-130	0		20
1,3-Dichloropropane	98		96		70-130	2		20
1,1,1,2-Tetrachloroethane	96		93		64-130	3		20
Bromobenzene	104		100		70-130	4		20
n-Butylbenzene	110		105		53-136	5		20
sec-Butylbenzene	109		105		70-130	4		20
tert-Butylbenzene	108		104		70-130	4		20
o-Chlorotoluene	110		106		70-130	4		20
p-Chlorotoluene	110		106		70-130	4		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Hexachlorobutadiene	100		94		63-130	6		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

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: WG703360-1 WG703360-2								
Isopropylbenzene	110		106		70-130	4		20
p-Isopropyltoluene	107		103		70-130	4		20
Naphthalene	79		80		70-130	1		20
n-Propylbenzene	112		107		69-130	5		20
1,2,3-Trichlorobenzene	87		86		70-130	1		20
1,2,4-Trichlorobenzene	88		86		70-130	2		20
1,3,5-Trimethylbenzene	109		106		64-130	3		20
1,2,4-Trimethylbenzene	108		104		70-130	4		20
Methyl Acetate	94		93		70-130	1		20
Ethyl Acetate	88		88		70-130	0		20
Cyclohexane	104		99		70-130	5		20
Ethyl-Tert-Butyl-Ether	96		95		70-130	1		20
Tertiary-Amyl Methyl Ether	91		90		66-130	1		20
1,4-Dioxane	97		96		56-162	1		20
Freon-113	121		116		70-130	4		20
p-Diethylbenzene	105		101		70-130	4		20
p-Ethyltoluene	110		106		70-130	4		20
1,2,4,5-Tetramethylbenzene	101		98		70-130	3		20
Ethyl ether	112		113		59-134	1		20
trans-1,4-Dichloro-2-butene	92		90		70-130	2		20
Iodomethane	74		74		70-130	0		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414332**Report Date:** 07/07/14

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: WG703360-1 WG703360-2								
Methyl cyclohexane	102		97		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	108		108		70-130
Dibromofluoromethane	98		97		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG702793-4 WG702793-5 QC Sample: L1414332-02 Client ID:												
B5-EP (EL-6)												
Methylene chloride	ND	21.3	20	93		20	95		70-130	2		30
1,1-Dichloroethane	ND	21.3	19	90		18	86		70-130	5		30
Chloroform	ND	21.3	19	87		18	83		70-130	5		30
Carbon tetrachloride	ND	21.3	20	92		18	86		70-130	7		30
1,2-Dichloropropane	ND	21.3	19	89		18	86		70-130	4		30
Dibromochloromethane	ND	21.3	16	77		16	75		70-130	2		30
1,1,2-Trichloroethane	ND	21.3	17	78		17	78		70-130	1		30
Tetrachloroethene	ND	21.3	17	81		17	78		70-130	4		30
Chlorobenzene	ND	21.3	17	80		17	78		70-130	4		30
Trichlorofluoromethane	ND	21.3	20	92		18	86		70-139	7		30
1,2-Dichloroethane	ND	21.3	19	87		18	85		70-130	2		30
1,1,1-Trichloroethane	ND	21.3	20	92		18	86		70-130	6		30
Bromodichloromethane	ND	21.3	18	86		18	82		70-130	4		30
trans-1,3-Dichloropropene	ND	21.3	16	76		16	74		70-130	2		30
cis-1,3-Dichloropropene	ND	21.3	18	86		18	82		70-130	4		30
1,1-Dichloropropene	ND	21.3	20	92		18	86		70-130	7		30
Bromoform	ND	21.3	15	70		15	70		70-130	1		30
1,1,2,2-Tetrachloroethane	ND	21.3	15	71		15	72		70-130	1		30
Benzene	ND	21.3	19	87		18	83		70-130	5		30
Toluene	ND	21.3	17	78		16	75		70-130	5		30
Ethylbenzene	ND	21.3	17	80		16	77		70-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG702793-4 WG702793-5 QC Sample: L1414332-02 Client ID:												
B5-EP (EL-6)												
Chloromethane	ND	21.3	17	81		16	76		52-130	7		30
Bromomethane	ND	21.3	21	97		19	90		57-147	8		30
Vinyl chloride	ND	21.3	18	84		16	77		67-130	9		30
Chloroethane	ND	21.3	17	80		16	75		50-151	6		30
1,1-Dichloroethene	ND	21.3	19	88		18	83		65-135	6		30
trans-1,2-Dichloroethene	ND	21.3	19	87		17	81		70-130	7		30
Trichloroethene	ND	21.3	19	90		18	85		70-130	6		30
1,2-Dichlorobenzene	ND	21.3	16	73		15	72		70-130	1		30
1,3-Dichlorobenzene	ND	21.3	16	75		15	72		70-130	4		30
1,4-Dichlorobenzene	ND	21.3	16	74		15	71		70-130	3		30
Methyl tert butyl ether	ND	21.3	18	82		17	80		66-130	2		30
p/m-Xylene	ND	42.6	35	81		33	78		70-130	4		30
o-Xylene	ND	42.6	34	81		33	78		70-130	3		30
cis-1,2-Dichloroethene	ND	21.3	19	88		18	83		70-130	6		30
Dibromomethane	ND	21.3	18	86		18	83		70-130	3		30
Styrene	ND	42.6	34	80		33	78		70-130	2		30
Dichlorodifluoromethane	ND	21.3	14	65		13	60		30-146	8		30
Acetone	4.0J	21.3	22	101		22	103		54-140	2		30
Carbon disulfide	ND	21.3	18	83		16	77		59-130	7		30
2-Butanone	ND	21.3	18	83		18	83		70-130	1		30
Vinyl acetate	ND	21.3	17	80		17	80		70-130	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG702793-4 WG702793-5 QC Sample: L1414332-02 Client ID:												
B5-EP (EL-6)												
4-Methyl-2-pentanone	ND	21.3	17	81		17	81		70-130	1		30
1,2,3-Trichloropropane	ND	21.3	16	74		16	74		68-130	1		30
2-Hexanone	ND	21.3	16	75		17	78		70-130	4		30
Bromochloromethane	ND	21.3	19	88		18	86		70-130	2		30
2,2-Dichloropropane	ND	21.3	18	86		18	82		70-130	5		30
1,2-Dibromoethane	ND	21.3	16	76		16	76		70-130	0		30
1,3-Dichloropropane	ND	21.3	17	78		16	77		69-130	1		30
1,1,1,2-Tetrachloroethane	ND	21.3	17	78		17	78		70-130	1		30
Bromobenzene	ND	21.3	16	74		15	72		70-130	3		30
n-Butylbenzene	ND	21.3	16	75		15	71		70-130	5		30
sec-Butylbenzene	ND	21.3	16	76		16	73		70-130	4		30
tert-Butylbenzene	ND	21.3	16	76		16	73		70-130	4		30
o-Chlorotoluene	ND	21.3	16	75		16	74		70-130	2		30
p-Chlorotoluene	ND	21.3	16	75		16	73		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	21.3	14	67	Q	15	68		68-130	2		30
Hexachlorobutadiene	ND	21.3	14	64	Q	13	62	Q	67-130	4		30
Isopropylbenzene	ND	21.3	17	81		16	77		70-130	5		30
p-Isopropyltoluene	ND	21.3	16	76		15	72		70-130	4		30
Naphthalene	ND	21.3	14	67	Q	15	68	Q	70-130	1		30
Acrylonitrile	ND	21.3	17	81		17	81		70-130	0		30
n-Propylbenzene	ND	21.3	16	77		16	74		70-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG702793-4 WG702793-5 QC Sample: L1414332-02 Client ID: B5-EP (EL-6)												
1,2,3-Trichlorobenzene	ND	21.3	15	69	Q	14	67	Q	70-130	2		30
1,2,4-Trichlorobenzene	ND	21.3	15	69	Q	14	66	Q	70-130	4		30
1,3,5-Trimethylbenzene	ND	21.3	16	74		15	72		70-130	3		30
1,2,4-Trimethylbenzene	ND	21.3	16	74		15	71		70-130	4		30
1,4-Dioxane	ND	1060	900	85		930	87		65-136	3		30
1,4-Diethylbenzene	ND	21.3	18	86		18	82		70-130	5		30
4-Ethyltoluene	ND	21.3	19	88		18	84		70-130	5		30
1,2,4,5-Tetramethylbenzene	ND	21.3	18	84		17	80		70-130	5		30
Ethyl ether	ND	21.3	16	77		16	76		67-130	1		30
trans-1,4-Dichloro-2-butene	ND	21.3	15	71		15	70		70-130	3		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	104		102		70-130
Toluene-d8	94		94		70-130

SEMIVOLATILES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01
Client ID: B6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/04/14 14:22
Analyst: HL
Percent Solids: 80%

Date Collected: 06/27/14 08:15
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01
 Client ID: B6-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:15
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	41.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	1000	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	170	44.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01

Date Collected: 06/27/14 08:15

Client ID: B6-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	65		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02
Client ID: B5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/04/14 14:48
Analyst: HL
Percent Solids: 81%

Date Collected: 06/27/14 08:25
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02
 Client ID: B5-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:25
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02

Date Collected: 06/27/14 08:25

Client ID: B5-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	60		0-136
4-Terphenyl-d14	64		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03
Client ID: A5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/04/14 15:13
Analyst: HL
Percent Solids: 80%

Date Collected: 06/27/14 08:35
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03
 Client ID: A5-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:35
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03

Date Collected: 06/27/14 08:35

Client ID: A5-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	67		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04
Client ID: C5/C6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/04/14 15:39
Analyst: HL
Percent Solids: 84%

Date Collected: 06/27/14 08:45
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04
 Client ID: C5/C6-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC

Date Collected: 06/27/14 08:45
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04

Date Collected: 06/27/14 08:45

Client ID: C5/C6-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	68		18-120

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/04/14 16:04
Analyst: HL
Percent Solids: 83%

Date Collected: 06/27/14 00:00
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05

Date Collected: 06/27/14 00:00

Client ID: DUPLICATE

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05

Date Collected: 06/27/14 00:00

Client ID: DUPLICATE

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	56		0-136
4-Terphenyl-d14	65		18-120

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/04/14 10:57
 Analyst: HL

Extraction Method: EPA 3546
 Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG702896-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	43.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/04/14 10:57
 Analyst: HL

Extraction Method: EPA 3546
 Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG702896-1					
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/04/14 10:57
 Analyst: HL

Extraction Method: EPA 3546
 Extraction Date: 07/02/14 16:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG702896-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	53		0-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG702896-2 WG702896-3								
Acenaphthene	66		71		31-137	7		50
1,2,4-Trichlorobenzene	62		60		38-107	3		50
Hexachlorobenzene	69		76		40-140	10		50
Bis(2-chloroethyl)ether	55		55		40-140	0		50
2-Chloronaphthalene	60		64		40-140	6		50
1,2-Dichlorobenzene	58		58		40-140	0		50
1,3-Dichlorobenzene	58		58		40-140	0		50
1,4-Dichlorobenzene	58		58		28-104	0		50
3,3'-Dichlorobenzidine	58		54		40-140	7		50
2,4-Dinitrotoluene	74		80		28-89	8		50
2,6-Dinitrotoluene	66		73		40-140	10		50
Fluoranthene	74		78		40-140	5		50
4-Chlorophenyl phenyl ether	66		72		40-140	9		50
4-Bromophenyl phenyl ether	69		77		40-140	11		50
Bis(2-chloroisopropyl)ether	50		50		40-140	0		50
Bis(2-chloroethoxy)methane	52		57		40-117	9		50
Hexachlorobutadiene	61		59		40-140	3		50
Hexachlorocyclopentadiene	52		51		40-140	2		50
Hexachloroethane	55		56		40-140	2		50
Isophorone	50		56		40-140	11		50
Naphthalene	61		60		40-140	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG702896-2 WG702896-3								
Nitrobenzene	58		56		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	70		77			10		50
n-Nitrosodi-n-propylamine	52		55		32-121	6		50
Bis(2-Ethylhexyl)phthalate	78		82		40-140	5		50
Butyl benzyl phthalate	69		74		40-140	7		50
Di-n-butylphthalate	73		77		40-140	5		50
Di-n-octylphthalate	78		80		40-140	3		50
Diethyl phthalate	67		74		40-140	10		50
Dimethyl phthalate	67		74		40-140	10		50
Benzo(a)anthracene	79		83		40-140	5		50
Benzo(a)pyrene	81		84		40-140	4		50
Benzo(b)fluoranthene	82		86		40-140	5		50
Benzo(k)fluoranthene	83		88		40-140	6		50
Chrysene	79		88		40-140	11		50
Acenaphthylene	61		68		40-140	11		50
Anthracene	76		80		40-140	5		50
Benzo(ghi)perylene	75		71		40-140	5		50
Fluorene	67		73		40-140	9		50
Phenanthrene	75		79		40-140	5		50
Dibenzo(a,h)anthracene	78		78		40-140	0		50
Indeno(1,2,3-cd)Pyrene	77		75		40-140	3		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG702896-2 WG702896-3								
Pyrene	72		76		35-142	5		50
Biphenyl	68		71			4		50
4-Chloroaniline	49		40		40-140	20		50
2-Nitroaniline	66		74		47-134	11		50
3-Nitroaniline	58		58		26-129	0		50
4-Nitroaniline	70		73		41-125	4		50
Dibenzofuran	67		72		40-140	7		50
2-Methylnaphthalene	60		63		40-140	5		50
1,2,4,5-Tetrachlorobenzene	69		72		40-117	4		50
Acetophenone	55		57		14-144	4		50
2,4,6-Trichlorophenol	65		72		30-130	10		50
P-Chloro-M-Cresol	64		71		26-103	10		50
2-Chlorophenol	61		62		25-102	2		50
2,4-Dichlorophenol	66		71		30-130	7		50
2,4-Dimethylphenol	57		63		30-130	10		50
2-Nitrophenol	57		61		30-130	7		50
4-Nitrophenol	69		76		11-114	10		50
2,4-Dinitrophenol	60		62		4-130	3		50
4,6-Dinitro-o-cresol	67		71		10-130	6		50
Pentachlorophenol	77		81		17-109	5		50
Phenol	59		60		26-90	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG702896-2 WG702896-3								
2-Methylphenol	58		64		30-130.	10		50
3-Methylphenol/4-Methylphenol	58		65		30-130	11		50
2,4,5-Trichlorophenol	67		75		30-130	11		50
Benzoic Acid	7	Q	6	Q		13		50
Benzyl Alcohol	54		59		40-140	9		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		65		25-120
Phenol-d6	60		63		10-120
Nitrobenzene-d5	54		56		23-120
2-Fluorobiphenyl	62		66		30-120
2,4,6-Tribromophenol	82		85		0-136
4-Terphenyl-d14	73		78		18-120

PCBS

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01
Client ID: B6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/04/14 19:01
Analyst: TQ
Percent Solids: 80%

Date Collected: 06/27/14 08:15
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/03/14 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 07/04/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.5	3.28	1	A
Aroclor 1221	ND		ug/kg	41.5	3.82	1	A
Aroclor 1232	ND		ug/kg	41.5	4.86	1	A
Aroclor 1242	ND		ug/kg	41.5	5.08	1	A
Aroclor 1248	ND		ug/kg	41.5	3.50	1	A
Aroclor 1254	ND		ug/kg	41.5	3.41	1	A
Aroclor 1260	ND		ug/kg	41.5	3.16	1	A
Aroclor 1262	ND		ug/kg	41.5	2.06	1	A
Aroclor 1268	ND		ug/kg	41.5	6.01	1	A
PCBs, Total	ND		ug/kg	41.5	2.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02
Client ID: B5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/04/14 19:14
Analyst: TQ
Percent Solids: 81%

Date Collected: 06/27/14 08:25
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/03/14 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 07/04/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.23	1	A
Aroclor 1221	ND		ug/kg	40.9	3.77	1	A
Aroclor 1232	ND		ug/kg	40.9	4.79	1	A
Aroclor 1242	ND		ug/kg	40.9	5.00	1	A
Aroclor 1248	ND		ug/kg	40.9	3.45	1	A
Aroclor 1254	ND		ug/kg	40.9	3.36	1	A
Aroclor 1260	ND		ug/kg	40.9	3.12	1	A
Aroclor 1262	ND		ug/kg	40.9	2.03	1	A
Aroclor 1268	ND		ug/kg	40.9	5.93	1	A
PCBs, Total	ND		ug/kg	40.9	2.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03
Client ID: A5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/04/14 19:26
Analyst: TQ
Percent Solids: 80%

Date Collected: 06/27/14 08:35
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/03/14 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 07/04/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.2	3.18	1	A
Aroclor 1221	ND		ug/kg	40.2	3.71	1	A
Aroclor 1232	ND		ug/kg	40.2	4.71	1	A
Aroclor 1242	ND		ug/kg	40.2	4.92	1	A
Aroclor 1248	ND		ug/kg	40.2	3.39	1	A
Aroclor 1254	ND		ug/kg	40.2	3.31	1	A
Aroclor 1260	ND		ug/kg	40.2	3.06	1	A
Aroclor 1262	ND		ug/kg	40.2	1.99	1	A
Aroclor 1268	ND		ug/kg	40.2	5.83	1	A
PCBs, Total	ND		ug/kg	40.2	1.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04
Client ID: C5/C6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/04/14 19:39
Analyst: TQ
Percent Solids: 84%

Date Collected: 06/27/14 08:45
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/03/14 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 07/04/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.52	1	A
Aroclor 1232	ND		ug/kg	38.1	4.47	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.14	1	A
Aroclor 1260	ND		ug/kg	38.1	2.91	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.53	1	A
PCBs, Total	ND		ug/kg	38.1	1.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/04/14 19:51
Analyst: TQ
Percent Solids: 83%

Date Collected: 06/27/14 00:00
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/03/14 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 07/04/14
Cleanup Method: EPA 3660B
Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	3.08	1	A
Aroclor 1221	ND		ug/kg	38.9	3.59	1	A
Aroclor 1232	ND		ug/kg	38.9	4.56	1	A
Aroclor 1242	ND		ug/kg	38.9	4.76	1	A
Aroclor 1248	ND		ug/kg	38.9	3.28	1	A
Aroclor 1254	ND		ug/kg	38.9	3.20	1	A
Aroclor 1260	ND		ug/kg	38.9	2.97	1	A
Aroclor 1262	ND		ug/kg	38.9	1.93	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A
PCBs, Total	ND		ug/kg	38.9	1.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/04/14 22:32
 Analyst: TQ

Extraction Method: EPA 3546
 Extraction Date: 07/03/14 10:49
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/04/14
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG703131-1						
Aroclor 1016	ND		ug/kg	31.7	2.51	A
Aroclor 1221	ND		ug/kg	31.7	2.93	A
Aroclor 1232	ND		ug/kg	31.7	3.72	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	2.68	A
Aroclor 1254	ND		ug/kg	31.7	2.61	A
Aroclor 1260	ND		ug/kg	31.7	2.42	A
Aroclor 1262	ND		ug/kg	31.7	1.57	A
Aroclor 1268	ND		ug/kg	31.7	4.60	A
PCBs, Total	ND		ug/kg	31.7	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG703131-2 WG703131-3									
Aroclor 1016	67		63		40-140	6		50	A
Aroclor 1260	71		63		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		69		30-150	A
Decachlorobiphenyl	80		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		77		30-150	B
Decachlorobiphenyl	74		70		30-150	B

PESTICIDES

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-01
Client ID: B6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/04/14 23:14
Analyst: JW
Percent Solids: 80%

Date Collected: 06/27/14 08:15
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 20:00
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.96	0.383	1	A
Lindane	ND		ug/kg	0.815	0.364	1	A
Alpha-BHC	ND		ug/kg	0.815	0.231	1	A
Beta-BHC	ND		ug/kg	1.96	0.741	1	A
Heptachlor	ND		ug/kg	0.978	0.438	1	A
Aldrin	ND		ug/kg	1.96	0.688	1	A
Heptachlor epoxide	ND		ug/kg	3.67	1.10	1	A
Endrin	ND		ug/kg	0.815	0.334	1	A
Dieldrin	ND		ug/kg	1.22	0.611	1	A
4,4'-DDE	ND		ug/kg	1.96	0.452	1	A
4,4'-DDD	ND		ug/kg	1.96	0.697	1	A
4,4'-DDT	ND		ug/kg	3.67	1.57	1	A
Endosulfan I	ND		ug/kg	1.96	0.462	1	A
Endosulfan II	ND		ug/kg	1.96	0.653	1	A
Endosulfan sulfate	ND		ug/kg	0.815	0.388	1	A
Methoxychlor	ND		ug/kg	3.67	1.14	1	A
cis-Chlordane	ND		ug/kg	2.44	0.681	1	A
trans-Chlordane	ND		ug/kg	2.44	0.645	1	A
Chlordane	ND		ug/kg	15.9	6.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-02
Client ID: B5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/04/14 23:28
Analyst: JW
Percent Solids: 81%

Date Collected: 06/27/14 08:25
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 20:00
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.788	0.352	1	A
Alpha-BHC	ND		ug/kg	0.788	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.717	1	A
Heptachlor	ND		ug/kg	0.945	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.788	0.323	1	A
Dieldrin	ND		ug/kg	1.18	0.591	1	A
4,4'-DDE	ND		ug/kg	1.89	0.437	1	A
4,4'-DDD	ND		ug/kg	1.89	0.674	1	A
4,4'-DDT	ND		ug/kg	3.54	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.788	0.375	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
cis-Chlordane	ND		ug/kg	2.36	0.659	1	A
trans-Chlordane	ND		ug/kg	2.36	0.624	1	A
Chlordane	ND		ug/kg	15.4	6.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-03
Client ID: A5-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/05/14 00:15
Analyst: JW
Percent Solids: 80%

Date Collected: 06/27/14 08:35
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 20:00
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.805	0.360	1	A
Alpha-BHC	ND		ug/kg	0.805	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.733	1	A
Heptachlor	ND		ug/kg	0.966	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.681	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.09	1	A
Endrin	ND		ug/kg	0.805	0.330	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.689	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.457	1	A
Endosulfan II	ND		ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.805	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.13	1	A
cis-Chlordane	ND		ug/kg	2.42	0.673	1	A
trans-Chlordane	ND		ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	15.7	6.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-04
Client ID: C5/C6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/05/14 00:29
Analyst: JW
Percent Solids: 84%

Date Collected: 06/27/14 08:45
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 20:00
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.338	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 520 WEST 28TH STREET**Lab Number:** L1414332**Project Number:** E040**Report Date:** 07/07/14**SAMPLE RESULTS**

Lab ID: L1414332-05
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/05/14 00:42
Analyst: JW
Percent Solids: 83%

Date Collected: 06/27/14 00:00
Date Received: 06/27/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/02/14 20:00
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.766	0.342	1	A
Alpha-BHC	ND		ug/kg	0.766	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.697	1	A
Heptachlor	ND		ug/kg	0.919	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.03	1	A
Endrin	ND		ug/kg	0.766	0.314	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	ND		ug/kg	1.84	0.425	1	A
4,4'-DDD	ND		ug/kg	1.84	0.656	1	A
4,4'-DDT	ND		ug/kg	3.45	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.766	0.364	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
cis-Chlordane	ND		ug/kg	2.30	0.640	1	A
trans-Chlordane	ND		ug/kg	2.30	0.606	1	A
Chlordane	ND		ug/kg	14.9	6.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/04/14 22:34
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 07/02/14 20:00
 Cleanup Method: EPA 3620B
 Cleanup Date: 07/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG702943-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.648	0.290	A
Alpha-BHC	ND		ug/kg	0.648	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.777	0.348	A
Aldrin	ND		ug/kg	1.55	0.547	A
Heptachlor epoxide	ND		ug/kg	2.91	0.874	A
Endrin	ND		ug/kg	0.648	0.266	A
Dieldrin	ND		ug/kg	0.972	0.486	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.648	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.907	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	12.6	5.15	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG702943-2 WG702943-3									
Delta-BHC	84		86		30-150	2		30	A
Lindane	83		86		30-150	4		30	A
Alpha-BHC	90		92		30-150	2		30	A
Beta-BHC	71		73		30-150	3		30	A
Heptachlor	95		98		30-150	3		30	A
Aldrin	90		94		30-150	4		30	A
Heptachlor epoxide	84		86		30-150	2		30	A
Endrin	90		92		30-150	2		30	A
Endrin ketone	82		83		30-150	1		30	A
Dieldrin	88		90		30-150	2		30	A
4,4'-DDE	86		88		30-150	2		30	A
4,4'-DDD	90		92		30-150	2		30	A
4,4'-DDT	105		107		30-150	2		30	A
Endosulfan I	88		90		30-150	2		30	A
Endosulfan II	86		88		30-150	2		30	A
Endosulfan sulfate	82		83		30-150	1		30	A
Methoxychlor	91		93		30-150	2		30	A
cis-Chlordane	83		86		30-150	4		30	A
trans-Chlordane	84		87		30-150	4		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG702943-2 WG702943-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		89		30-150	A
Decachlorobiphenyl	89		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		87		30-150	B
Decachlorobiphenyl	86		88		30-150	B

METALS

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

SAMPLE RESULTS

Lab ID: L1414332-01

Date Collected: 06/27/14 08:15

Client ID: B6-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	9.4	1.9	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.76	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Arsenic, Total	3.2		mg/kg	0.94	0.19	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Barium, Total	82		mg/kg	0.94	0.28	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Beryllium, Total	0.58		mg/kg	0.47	0.09	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.94	0.07	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Calcium, Total	5000		mg/kg	9.4	2.8	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Chromium, Total	19		mg/kg	0.94	0.19	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Cobalt, Total	6.7		mg/kg	1.9	0.47	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Copper, Total	16		mg/kg	0.94	0.19	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.7	1.9	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	4.7	0.19	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Magnesium, Total	5100		mg/kg	9.4	0.94	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Manganese, Total	1100		mg/kg	0.94	0.19	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/01/14 07:57	07/01/14 12:34	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.4	0.38	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Potassium, Total	2500		mg/kg	240	38.	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.9	0.28	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Sodium, Total	200		mg/kg	190	28.	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.94	0.09	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT
Zinc, Total	32		mg/kg	4.7	0.66	2	07/01/14 19:07	07/02/14 17:41	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

SAMPLE RESULTS

Lab ID: L1414332-02

Date Collected: 06/27/14 08:25

Client ID: B5-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	9.6	1.9	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Arsenic, Total	3.4		mg/kg	0.96	0.19	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Barium, Total	77		mg/kg	0.96	0.29	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Beryllium, Total	0.58		mg/kg	0.48	0.10	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.96	0.07	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Calcium, Total	15000		mg/kg	9.6	2.9	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Chromium, Total	17		mg/kg	0.96	0.19	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Cobalt, Total	6.2		mg/kg	1.9	0.48	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Copper, Total	14		mg/kg	0.96	0.19	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Iron, Total	16000		mg/kg	4.8	1.9	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	4.8	0.19	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Magnesium, Total	5800		mg/kg	9.6	0.96	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Manganese, Total	540		mg/kg	0.96	0.19	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/03/14 07:45	07/03/14 12:18	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.4	0.39	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Potassium, Total	2400		mg/kg	240	39.	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Selenium, Total	0.34	J	mg/kg	1.9	0.29	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Sodium, Total	250		mg/kg	190	29.	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.39	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.96	0.10	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT
Zinc, Total	29		mg/kg	4.8	0.68	2	07/01/14 19:07	07/02/14 16:10	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

SAMPLE RESULTS

Lab ID: L1414332-03

Date Collected: 06/27/14 08:35

Client ID: A5-EP (EL-6)

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3400		mg/kg	9.4	1.9	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Arsenic, Total	1.1		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Barium, Total	37		mg/kg	0.94	0.28	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Beryllium, Total	0.35	J	mg/kg	0.47	0.09	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.94	0.07	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Calcium, Total	1300		mg/kg	9.4	2.8	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Cobalt, Total	3.9		mg/kg	1.9	0.47	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Copper, Total	7.1		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Iron, Total	9100		mg/kg	4.7	1.9	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Lead, Total	4.8		mg/kg	4.7	0.19	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Magnesium, Total	2000		mg/kg	9.4	0.94	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Manganese, Total	260		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/04/14 08:00	07/07/14 10:06	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.4	0.38	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Potassium, Total	1100		mg/kg	240	38.	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.9	0.28	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Sodium, Total	260		mg/kg	190	28.	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Vanadium, Total	10		mg/kg	0.94	0.09	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT
Zinc, Total	14		mg/kg	4.7	0.66	2	07/02/14 17:43	07/03/14 14:05	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

SAMPLE RESULTS

Lab ID: L1414332-04
 Client ID: C5/C6-EP (EL-6)
 Sample Location: 520 W 28TH ST., NYC
 Matrix: Soil
 Percent Solids: 84%

Date Collected: 06/27/14 08:45
 Date Received: 06/27/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.9	1.8	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.71	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Arsenic, Total	3.0		mg/kg	0.89	0.18	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Barium, Total	97		mg/kg	0.89	0.27	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Beryllium, Total	0.46		mg/kg	0.45	0.09	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.89	0.06	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Calcium, Total	2200		mg/kg	8.9	2.7	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.89	0.18	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Cobalt, Total	6.8		mg/kg	1.8	0.45	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Copper, Total	15		mg/kg	0.89	0.18	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.5	1.8	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	4.5	0.18	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	8.9	0.89	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Manganese, Total	330		mg/kg	0.89	0.18	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/04/14 08:00	07/07/14 10:08	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.2	0.36	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Potassium, Total	1900		mg/kg	220	36.	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.27	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Sodium, Total	150	J	mg/kg	180	27.	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	0.89	0.09	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT
Zinc, Total	30		mg/kg	4.5	0.62	2	07/01/14 19:07	07/02/14 17:45	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

SAMPLE RESULTS

Lab ID: L1414332-05

Date Collected: 06/27/14 00:00

Client ID: DUPLICATE

Date Received: 06/27/14

Sample Location: 520 W 28TH ST., NYC

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7000		mg/kg	9.4	1.9	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.76	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Arsenic, Total	1.4		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Barium, Total	62		mg/kg	0.94	0.28	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Beryllium, Total	0.52		mg/kg	0.47	0.09	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.94	0.07	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Calcium, Total	2100		mg/kg	9.4	2.8	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Cobalt, Total	6.3		mg/kg	1.9	0.47	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Copper, Total	15		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Iron, Total	16000		mg/kg	4.7	1.9	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Lead, Total	8.1		mg/kg	4.7	0.19	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	9.4	0.94	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Manganese, Total	440		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/04/14 08:00	07/07/14 10:10	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.4	0.38	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Potassium, Total	2200		mg/kg	240	38.	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.9	0.28	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Sodium, Total	180	J	mg/kg	190	28.	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.94	0.09	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT
Zinc, Total	30		mg/kg	4.7	0.66	2	07/02/14 17:43	07/03/14 14:08	EPA 3050B	1,6010C	TT



Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG702260-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/01/14 07:57	07/01/14 11:58	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,04 Batch: WG702583-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Iron, Total	4.5		mg/kg	2.0	0.80	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Lead, Total	0.11	J	mg/kg	2.0	0.08	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	07/01/14 19:07	07/02/14 16:03	1,6010C	TT

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03,05 Batch: WG702903-1									
Aluminum, Total	ND	mg/kg	4.0	0.80	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Antimony, Total	ND	mg/kg	2.0	0.32	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Arsenic, Total	ND	mg/kg	0.40	0.08	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Barium, Total	ND	mg/kg	0.40	0.12	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Beryllium, Total	ND	mg/kg	0.20	0.04	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Cadmium, Total	ND	mg/kg	0.40	0.03	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Calcium, Total	ND	mg/kg	4.0	1.2	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Cobalt, Total	ND	mg/kg	0.80	0.20	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Copper, Total	ND	mg/kg	0.40	0.08	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Iron, Total	ND	mg/kg	2.0	0.80	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Lead, Total	ND	mg/kg	2.0	0.08	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Magnesium, Total	ND	mg/kg	4.0	0.40	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Nickel, Total	ND	mg/kg	1.0	0.16	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Potassium, Total	ND	mg/kg	100	16.	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Selenium, Total	ND	mg/kg	0.80	0.12	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Silver, Total	ND	mg/kg	0.40	0.08	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Sodium, Total	ND	mg/kg	80	12.	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Thallium, Total	ND	mg/kg	0.80	0.16	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	07/02/14 17:43	07/03/14 13:25	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B



Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02 Batch: WG703012-6										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/03/14 07:45	07/03/14 12:14	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-05 Batch: WG703317-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/04/14 08:00	07/07/14 10:02	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG702260-2 SRM Lot Number: 0518-10-02								
Mercury, Total	127		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04 Batch: WG702583-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	82	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	89	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	85	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	95	-	80-120	-	
Silver, Total	100	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04 Batch: WG702583-2 SRM Lot Number: 0518-10-02					
Zinc, Total	100	-	82-119	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,05 Batch: WG702903-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	89	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	93	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	92	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	90	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	100	-	66-134	-	
Sodium, Total	103	-	74-127	-	
Thallium, Total	91	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,05 Batch: WG702903-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG703012-7 SRM Lot Number: 0518-10-02					
Mercury, Total	121	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 03-05 Batch: WG703317-2 SRM Lot Number: 0518-10-02					
Mercury, Total	130	-	67-133	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Lab Number: L1414332

Project Number: E040

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG702260-4 QC Sample: L1414331-01 Client ID: MS Sample												
Mercury, Total	ND	0.157	0.24	153	Q	-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04 QC Batch ID: WG702583-3 WG702583-4 QC Sample: L1414332-02 Client ID: B5-EP (EL-6)											
Aluminum, Total	6600	194	7400	412	Q	6800	102		75-125	8	20
Antimony, Total	ND	48.6	42	86		42	86		75-125	0	20
Arsenic, Total	3.4	11.6	14	91		13	82		75-125	7	20
Barium, Total	77.	194	260	94		250	88		75-125	4	20
Beryllium, Total	0.58	4.86	5.1	93		5.1	92		75-125	0	20
Cadmium, Total	ND	4.95	4.6	93		4.6	92		75-125	0	20
Calcium, Total	15000	971	15000	0	Q	15000	0	Q	75-125	0	20
Chromium, Total	17.	19.4	35	93		34	87		75-125	3	20
Cobalt, Total	6.2	48.6	51	92		50	89		75-125	2	20
Copper, Total	14.	24.3	37	95		36	90		75-125	3	20
Iron, Total	16000	97.1	16000	0	Q	15000	0	Q	75-125	6	20
Lead, Total	ND	49.5	48	97		47	94		75-125	2	20
Magnesium, Total	5800	971	6800	103		6600	82		75-125	3	20
Manganese, Total	540	48.6	560	41	Q	530	0	Q	75-125	6	20
Nickel, Total	16.	48.6	61	93		60	90		75-125	2	20
Potassium, Total	2400	971	3400	103		3200	82		75-125	6	20
Selenium, Total	0.34J	11.6	11	94		10	85		75-125	10	20
Silver, Total	ND	29.1	24	82		24	82		75-125	0	20
Sodium, Total	250	971	1200	98		1200	97		75-125	0	20
Thallium, Total	ND	11.6	9.0	77		9.4	80		75-125	4	20
Vanadium, Total	19.	48.6	65	95		64	92		75-125	2	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04 QC Batch ID: WG702583-3 WG702583-4 QC Sample: L1414332-02 Client ID: B5-EP (EL-6)									
Zinc, Total	29.	48.6	81	107	93	130	Q 75-125	14	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG702903-3 WG702903-4 QC Sample: L1414608-05 Client ID: MS Sample											
Aluminum, Total	5100	173	6100	579	Q	6700	965	Q	75-125	9	20
Antimony, Total	ND	43.2	36	83		34	82		75-125	6	20
Arsenic, Total	2.1	10.4	11	86		11	89		75-125	0	20
Barium, Total	55.	173	200	84		200	87		75-125	0	20
Beryllium, Total	0.34	4.32	4.2	89		4.1	91		75-125	2	20
Cadmium, Total	ND	4.4	3.7	84		3.5	83		75-125	6	20
Calcium, Total	1300	864	2200	104		2300	120		75-125	4	20
Chromium, Total	12.	17.3	29	98		29	102		75-125	0	20
Cobalt, Total	4.8	43.2	40	82		39	82		75-125	3	20
Copper, Total	20.	21.6	40	93		40	96		75-125	0	20
Iron, Total	10000	86.4	11000	1160	Q	12000	2410	Q	75-125	9	20
Lead, Total	36.	44	71	79		70	80		75-125	1	20
Magnesium, Total	2100	864	3000	104		3400	157	Q	75-125	13	20
Manganese, Total	240	43.2	300	139	Q	300	145	Q	75-125	0	20
Nickel, Total	13.	43.2	48	81		47	82		75-125	2	20
Potassium, Total	1300	864	2300	116		2600	157	Q	75-125	12	20
Selenium, Total	0.15J	10.4	9.5	92		8.9	89		75-125	7	20
Silver, Total	ND	25.9	20	77		19	76		75-125	5	20
Sodium, Total	68.J	864	930	108		880	106		75-125	6	20
Thallium, Total	ND	10.4	7.4	71	Q	6.9	69	Q	75-125	7	20
Vanadium, Total	18.	43.2	56	88		57	94		75-125	2	20

Matrix Spike Analysis Batch Quality Control

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG702903-3 WG702903-4 QC Sample: L1414608-05 Client ID: MS Sample									
Zinc, Total	56.	43.2	97	95	94	92	75-125	3	20
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG703012-9 QC Sample: L1414332-02 Client ID: B5-EP (EL-6)									
Mercury, Total	ND	0.155	0.16	103	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG703317-4 QC Sample: L1414742-01 Client ID: MS Sample									
Mercury, Total	ND	0.15	0.23	154	Q	-	80-120	-	20

Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1414332
Report Date: 07/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG702260-3 QC Sample: L1414331-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG703012-8 QC Sample: L1414332-02 Client ID: B5-EP (EL-6)						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG703317-3 QC Sample: L1414742-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414332**Report Date:** 07/07/14**SAMPLE RESULTS****Lab ID:** L1414332-01**Client ID:** B6-EP (EL-6)**Sample Location:** 520 W 28TH ST., NYC**Matrix:** Soil**Date Collected:** 06/27/14 08:15**Date Received:** 06/27/14**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	79.9		%	0.100	NA	1	-	06/30/14 19:22	30,2540G	RT



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414332**Report Date:** 07/07/14**SAMPLE RESULTS****Lab ID:** L1414332-02**Client ID:** B5-EP (EL-6)**Sample Location:** 520 W 28TH ST., NYC**Matrix:** Soil**Date Collected:** 06/27/14 08:25**Date Received:** 06/27/14**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	81.0		%	0.100	NA	1	-	06/30/14 19:22	30,2540G	RT



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Number:** L1414332**Report Date:** 07/07/14**SAMPLE RESULTS****Lab ID:** L1414332-03**Client ID:** A5-EP (EL-6)**Sample Location:** 520 W 28TH ST., NYC**Matrix:** Soil**Date Collected:** 06/27/14 08:35**Date Received:** 06/27/14**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	80.1		%	0.100	NA	1	-	06/30/14 19:22	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

SAMPLE RESULTS

Lab ID: L1414332-04
Client ID: C5/C6-EP (EL-6)
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil

Date Collected: 06/27/14 08:45
Date Received: 06/27/14
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	84.4		%	0.100	NA	1	-	06/30/14 19:22	30,2540G	RT



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

SAMPLE RESULTS

Lab ID: L1414332-05
Client ID: DUPLICATE
Sample Location: 520 W 28TH ST., NYC
Matrix: Soil

Date Collected: 06/27/14 00:00
Date Received: 06/27/14
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	82.7		%	0.100	NA	1	-	06/30/14 19:22	30,2540G	RT



Project Name: 520 WEST 28TH STREET**Project Number:** E040**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1414332**Report Date:** 07/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG702201-1 QC Sample: L1414243-01 Client ID: DUP Sample						
Solids, Total	77.3	79.2	%	2		20

Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/28/2014 12:59

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414332-01A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-01B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-01C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-01D	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1414332-01E	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1414332-01X	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-01Y	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-01Z	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-02A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02A1	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02A2	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02B1	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02B2	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02C1	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02C2	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-02D	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1414332-02D1	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1414332-02D2	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414332-02E	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),MS/MSD(),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1414332-02X	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-02X1	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-02Y	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-02Z	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-03A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-03B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-03C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-03D	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1414332-03E	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1414332-03X	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-03Y	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-03Z	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-04A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-04B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-04C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-04D	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET

Project Number: E040

Lab Number: L1414332

Report Date: 07/07/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414332-04E	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1414332-04X	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-04Y	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-04Z	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-05A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-05B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-05C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1414332-05D	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1414332-05E	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1414332-05X	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-05Y	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-05Z	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1414332-06A	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1414332-06B	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

Data Qualifiers

- 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.
- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 520 WEST 28TH STREET
Project Number: E040

Lab Number: L1414332
Report Date: 07/07/14

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 April 15, 2014

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 2540D: TSS

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, SM4500CI-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 OF

Serial No:07071416:12

ALPHA Job #: 14330

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

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

Client Information

Client: INTEGRAL CONSULTING, INC.

Address: 61 BROADWAY SUITE 1601
NY, NYC

Phone: 212-440-6715

Fax: SMCTAVBY@INTEGRAL-CORP.COM

Email: ACARROLL@INTEGRAL-CGRP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: 520 West 28th Street

Project Location: 520 W 28th St, NYC

Project #: E040

Project Manager: Alana Carson

ALPHA Quote #:

Turn-Around Time

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

Date Due: 7-7-14 Time:

Date Rec'd in Lab: 6-28-14

Report Information - Data Deliverables

☐ FAX

✉ EMAIL



Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program

Criteria

Billing Information

☐ Same as Client info

PO #:

ANALYSIS		SAMPLE HANDLING	
TEL VOL'S VIA 8260C		Filtration _____	
PART 37S + CP-SI		☐ Done	
TEL SVOC'S VIA 8270C		☒ Not needed	
PART 37S + CP-SI		☐ Lab to do	
TEL METALS VIA 8270D		Preservation	
PART 37S + CP-SI		☐ Lab to do	
TOTAL PCBS VIA 6010C		(Please specify below)	
PART 37S + CP-SI			
TEL PCBS VIA 8082A			
PART 37S + CP-SI			
TOTAL PCBS VIA 8081B			
PART 37S + CP-SI			

Sample Specific Comments

[illegible]

Container Type	E/N	A	A	A	A						
Preservative	AB	A	A	A	A						

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.