AIRTEK ENVIRONMENTAL CORP.
39–37 29TH STREET L.I.C. NY 11101
PHONE (718) 937-3720 FAX (718)937-3721
WWW.AIRTEKENV.COM

Limited Phase II Subsurface Investigation Report

Submitted To:

Mr. Tsering Sangpo Gaga
The Tibetan Community of New York & New Jersey
23-07, 41 Street
Astoria, NY 11105

Premises:

32-01 57th Street
Block 1159, Lots 1 and 14
Woodside, Queens, NY 11377

Prepared By:

Airtek Environmental Corp.
39-37 29th Street
Long Island City, New York 11101

Airtek Project Number: 12-0588

May 30, 2012

Report by:

Christine Chen, Sr. Project Manager

Reviewed by:

Mike S. Zouak, CIH, President

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1.0 EXECUTIVE SUMMARY

Airtek Environmental Corp. (Airtek) was retained by The Tibetan Community of New York & New Jersey (the Client) to perform a Limited Phase II subsurface investigation at the property located at 32-01 57th Street, Woodside, NY 11377 (the Site). The Site comprised a 22,500 square foot (ft^2) parcel of land improved with a one-story warehouse building and a paved parking lot.

Airtek authored a March 12, 2012 Phase I Environmental Site Assessment (ESA) of the Site, which revealed evidence of the following *recognized environmental conditions*, as defined by ASTM E1527-05, or part of the scope of "all appropriate inquiry," as defined by CERCLA:

- Hardware manufacturing activities in the past at the Site.

- Two (2) fuel oil underground storage tanks (USTs) were closed in place at the Site in 1994 and 2004. However, no soil testing was conducted during the tightness testing or during the closure of both tanks. The NYSDEC Spills list reviewed revealed the Site as a spill site (Spill #0307705). After the tank passed the tightness test, the spill case was closed on April 26, 2004.

- Past activities on the adjacent properties involved machinery, metal works, trucking, oil storage.

These findings are recognized environmental conditions, because they constitute evidence of a likely past release of petroleum products and/or hazardous chemicals onto the Site. Therefore, Airtek recommended conducting additional onsite analytical investigation in order to determine the presence and extent of any onsite contamination related to these previous property uses.

Based on Airtek's Phase I ESA findings and recommendations, the Client requested soil and groundwater testing in the area of the property's parking lot, in the vicinity of the closed in place USTs. The Limited Phase II subsurface investigation was conducted on May 16 and 17, 2012. Airtek collected three soil samples from three locations in the parking lot. No groundwater was encountered during the soil boring drilling due to the refusal of bedrock/concrete like materials at the depth of 18.5' to 25' below ground surface (bgs). As a result, no groundwater samples were collected.

Airtek observed no petroleum odor or staining in the soil cores recovered from all three soil borings. Soil samples collected from all three soil borings indicated that no samples exceed NYSDEC CP-51/Soil Cleanup Guidance for VOCs, SVOCs, Pesticides and PCBs. With regard to metals, iron exceeded the NY Restricted use, Residential Criteria (NY-RESR). Specifically characterized as: 10,000 mg/kg present in Soil Boring SB-1; 9,300 mg/kg in Soil Boring SB-2; and 13,000 mg/kg in Soil Boring SB-3.

Overall, findings for soil were unremarkable and did not show a source of contamination on this property. Low levels of contamination are consistent with findings of historic fill on the property.

Airtek makes no conclusions regarding the conditions of groundwater at the Site, since no groundwater samples were collected due to the refusal during the soil boring installation as discussed above.

Since the Site is not used for residential use at the present time, Airtek makes no recommendations for further investigations. However, if property owners plan to redevelop the Site in the future for residential use, Airtek recommends conducting additional onsite analytical investigation in order to determine the presence and extent of any onsite contamination related to these previous property uses and to comply with applicable NYSDEC regulations. Additionally, if property owners plan to excavate the soil at the on-site parking lot, toxicity characteristic leaching procedure (TCLP) should be complied prior to the disposal of any excavated soil from the Site.

2.0 INTRODUCTION

Airtek Environmental Corp. (Airtek) was retained by The Tibetan Community of New York & New Jersey (the Client) to perform a Limited Phase II subsurface investigation at the property located at 32-01 57th Street, Woodside, NY 11377 (the Site).

Airtek authored a March 12, 2012 Phase I Environmental Site Assessment (ESA) of the Site, which revealed evidence of the following *recognized environmental conditions*, as defined by ASTM E1527-05, or part of the scope of "all appropriate inquiry," as defined by CERCLA:

- The 1950 and 1962 city directories depicted the Site as Akron Hardware Manufacturing Corp. and Forgecerraft Products Inc Hardware Manufacturing respectively.

- A previous Phase I Environmental Audit Report dated July 1994 and EDR database reviewed indicated that two fuel oil underground storage tanks (USTs) were closed in place on the parking lot at the Site in 1994 and 2004. They included: a 1,080-gallon tank installed in 1968 which was tightness tested and closed in place in 1994; and a 3,000-gallon tank with an unknown installation date but was present at least since 1987 which was tightness tested in 1994 and was closed in place in 2004. However, no soil testing was conducted during the tightness testing or during the closure of both tanks. (Note: The NYSDEC Spills list reviewed revealed the Site as a spill site. According to the database, the spill (#0307705) appeared to be associated with the on-site 3,000-gallon UST's registration and tightness test issues. After the tank passed the tightness test, the updated registration and tank test result were submitted to the NYSDEC, therefore, the spill case was closed on April 26, 2004.).

- City directory listings dating from 1967 to 1991 described the north adjacent properties as Alpha Sheet Metal Works, Inc.; Absolute Oil Separator Corp.; Count O Matic Machinery and Alpha Machine Equipment; Polymer Films; or Production Coating Inc. The 1970 and 1976 listings also described the west adjacent property as Lehrman Equipment Co. Inc. Lift Trucks and Used Truck & Rental Department Branch, and Elmo Manufacturing Co Inc.

- Fire insurance maps dating from 1980 through 2006 depicted one of the north adjacent

properties as a "Sheet Metal Works" facility. Fire insurance maps dating from 1930 through 1996 and 2005 depicted the south adjoining property on 57th Street as an "Oil Storage" facility. Fire insurance maps dating from 2001 through 2006 depicted this property as an auto repair shop. Development as an oil storage and automotive repair facility indicates the potential usage, storage, and release of petroleum products and solvents which may have impacted the Site.

These findings are recognized environmental conditions, because they constitute evidence of a likely past release of petroleum products and/or hazardous chemicals onto the Site. Therefore, Airtek recommended conducting additional onsite analytical investigation in order to determine the presence and extent of any onsite contamination related to these previous property uses.

Based on Airtek's Phase I ESA findings and recommendations, the Client requested soil and groundwater testing in the area of the property's parking lot, in the vicinity of the closed in place USTs.

2.1 Site Description

The Site comprised a 22,500 square foot (ft^2) parcel of land currently owned by Elli Realty Corp. The majority of the Site was improved with a one-story warehouse building utilized as a clothing factory and food storage warehouse. The remaining area of the Site consists of an unpaved grass area along the south boundary, and a paved parking lot of approximately 7,400 ft^2. The Site was bounded to the north by 32nd Avenue, to the east by 58th Street and to the west by 57th Street. The Site was located within a light industrial setting.

2.2 Objectives/Scope of Work

The objectives of this subsurface investigation were to perform a soil and groundwater sampling in order to identify whether there is a soil and groundwater contamination at the subsurface of the Site due to the environmental conditions at the Site and in the surrounding areas as discussed above.

The scope of work for the field portion of the investigation consisted of the performance of the installation and sampling of four (4) soil borings/temporary monitoring wells at the paved parking lot on the east portion at the Site. Due to the refusal of bedrock/concrete like materials and the limited space on the parking lot, only three (3) soil borings were installed. Recovered soil would be screened visually, olfactory, and using a portable photo-ionization detector (PID). Soil samples would be collected from the sections of soil cores exhibiting the greatest evidence of contamination. In the event that soil cores did not exhibit evidence of contamination, soil samples would be collected from the vicinity of the soil-water interface.

Following the recovery of soil cores, groundwater would be collected using groundwater probes, if groundwater is encountered.

All samples were to be sent to a New York State Department of Health (NYSDOH) certified laboratory using proper chain-of-custody procedures. Samples were to be analyzed for

volatile (VOCs), semi-volatile organic chemicals (SVOCs), pesticides, PCBs, and Target Analyte List (TAL) Metals), using United States Environmental Protection Agency (EPA) analytical methods 8260, 8270, 8081/8082, and SW846 6010B, respectively.

3.0 FIELD WORK

3.1 Soil Borings Installation

The Limited Phase II subsurface investigation was conducted on two site visits on May 16 and 17, 2012, due to the drilling equipment breakdown on the first site visit on May 16, 2012 (Weather Condition: Low 60° F. to Low 80° F Cloudy/Sunny on May 16, 2012; Low 70° F. Sunny on May 17, 2012). Hydro Tech Environmental, Corporation (Hydro Tech) was sub-contracted to install soil borings at the Site. Utilizing a mobile direct push geoprobe rig, staff from Hydro Tech advanced three (3) soil borings at the Site, directed by Ms. Christine Chen, Senior Project Manager with Airtek. Of the three soil borings installed at the Site, soil boring SB-1 was advanced near the southeast corner of the parking lot (approximately 10 feet from the east boundary, and 50 feet from north boundary). The second soil boring SB-2 was advanced near the ramp to the basement of the on-site building, in the area where the two USTs were reportedly closed in place, on the parking lot (approximately 7 feet from the ramp, and 25 feet from the north boundary). The third soil boring SB-3 was advanced near the south boundary of the parking lot (approximately 24 feet from the on-site building to the west, and 80 feet from the north boundary).

Figure 1 provides a Sampling Location Diagram, which shows the locations of the three soil borings at the Site.

No groundwater was encountered during the soil boring drilling due to the refusal of bedrock/concrete-like materials at the depth of 18.5’ to 25’ below ground surface (bgs) at the Site. As a result, no groundwater samples were collected.

3.2 Soil Sampling

Airtek screened recovered soil visually and olfactory. Airtek observed no petroleum odor or staining in the soil cores recovered from all soil borings. Low levels of VOCs, i.e. 0.1 to 10 parts per million (ppm), were detected with a Photo Ionization Detector (PID) from the soil cores. Based on the PID readings, three soil samples, one from each soil boring, were collected. Soil samples were obtained utilizing a 4-foot long Macro Core Sampler. Remaining recovered soil was containerized and taken offsite for proper disposal by Hydro Tech.

3.3 Soil Quality

The soil encountered during the soil boring installation appeared to be primarily fill materials from zero to two feet bgs. Light gray, light to dark brown, coarse to fine sand with trace of gravels were observed in most of soil borings at the depth of two feet bgs.

3.4 Laboratory Analyses

Soil samples were appropriately labeled and placed in a cooler filled with ice and

maintained at four degrees Celsius. Each sample was transmitted under proper chain of custody procedures to an accredited, third-party laboratory. All samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and Target Analyte List (TAL) Metals, in accordance with EPA Methods 8260, 8270, 8081/8082, and SW846 6010B, respectively. Alpha Analytical of Westboro, Massachusetts provided laboratory analytical services.

4.0 RESULTS

4.1 Soil Analytical Results

Soil samples collected from all three soil borings indicated that no samples exceed NYSDEC CP-51/Soil Cleanup Guidance for VOCs, SVOCs, Pesticides and PCBs. With regard to metals, iron exceeded the NY Restricted use, Residential Criteria (NY-RESR). Specifically characterized as: 10,000 mg/kg present in Soil Boring SB-1; 9,300 mg/kg in Soil Boring SB-2; and 13,000 mg/kg in Soil Boring SB-3.

Overall, findings for soil were unremarkable and did not show a source of contamination on this property. Low levels of contamination are consistent with findings of historic fill on the property.

Appendix A provides Laboratory Analytical Reports

5.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

Based on the information and data presented above, the following conclusions are provided:

Airtek observed no petroleum odor or staining in the soil cores recovered from all three soil borings. Soil samples collected from all three soil borings indicated that no samples exceed NYSDEC CP-51/Soil Cleanup Guidance for VOCs, SVOCs, Pesticides and PCBs. With regard to metals, iron exceeded the NY Restricted use, Residential Criteria (NY-RESR). Specifically characterized as: 10,000 mg/kg present in Soil Boring SB-1; 9,300 mg/kg in Soil Boring SB-2; and 13,000 mg/kg in Soil Boring SB-3.

Overall, findings for soil were unremarkable and did not show a source of contamination on this property. Low levels of contamination are consistent with findings of historic fill on the property.

Airtek makes no conclusions regarding the conditions of groundwater at the Site, since no groundwater samples were collected due to the refusal during the soil boring installation as discussed in Section 3.1.

Since the Site is not used for residential use at the present time, Airtek makes no recommendations for further investigations. However, if property owners plan to redevelop the Site in the future for residential use, Airtek recommends conducting additional onsite analytical investigation in order to determine the presence and extent of any onsite contamination related to

these previous property uses and to comply with applicable NYSDEC regulations. Additionally, if property owners plan to excavate the soil at the on-site parking lot, toxicity characteristic leaching procedure (TCLP) should be complied prior to the disposal of any excavated soil from the Site.

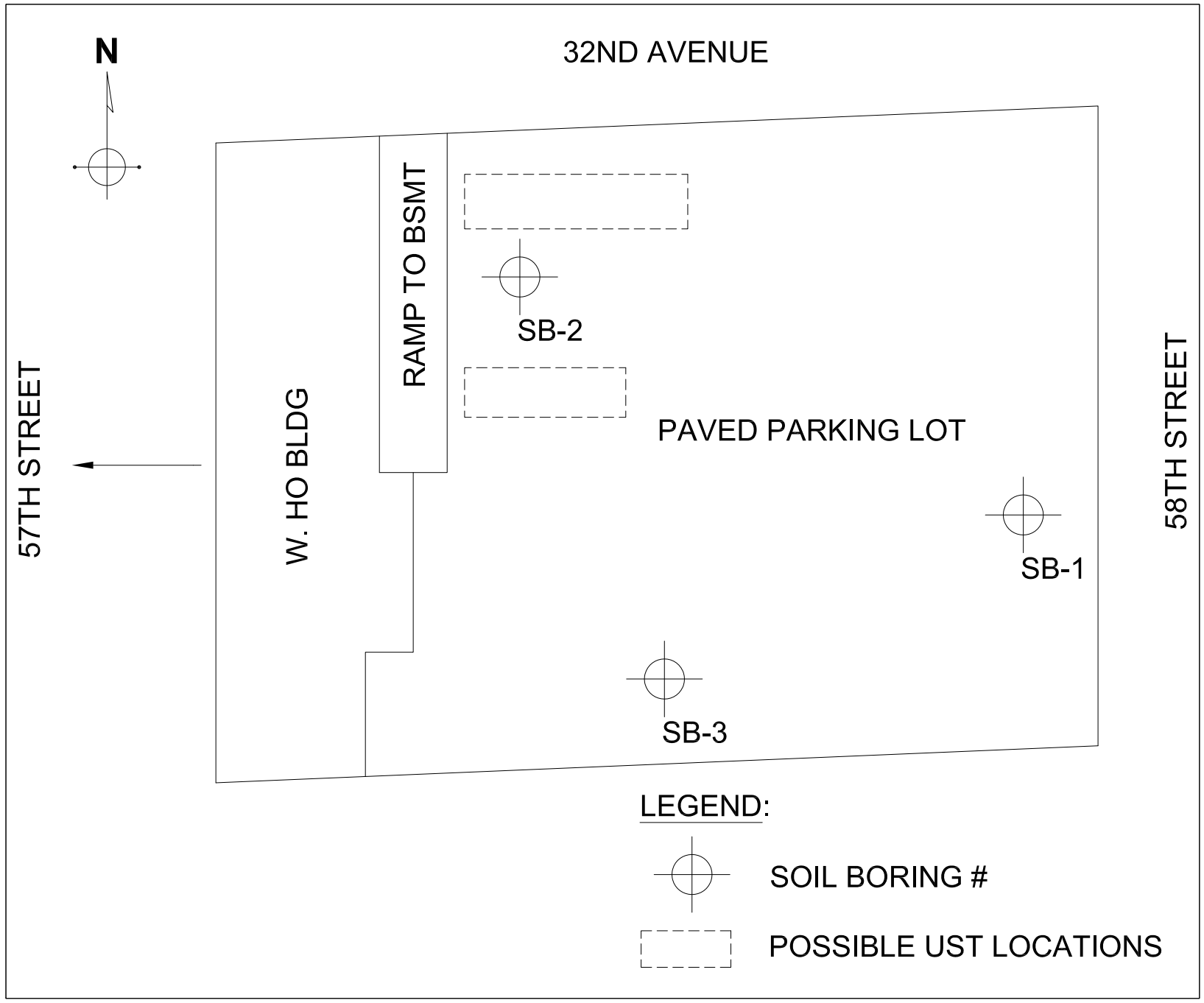
6.0 LIABILITY RELEASE

Airtek Environmental Corp. (Airtek) recognizes that The Tibetan Community of New York & New Jersey is relying on the contents of this report in evaluating the Site. This report is based on services performed by Airtek's professional staff. We represent that observations made in this report are accurate to the best of our knowledge, and that no findings or observations concerning the potential release of hazardous substances have been withheld or amended. The research and inspections have been conducted in a manner consistent with industry and professional standards. Airtek shall have no liability or obligation to any party other than The Tibetan Community of New York & New Jersey, its successors or assigns, and Airtek's obligations and liabilities to The Tibetan Community of New York & New Jersey, its successors or assigns are limited to fraudulent statements made, or negligent or willful acts or omission.

7.0 CONFIDENTIALITY STATEMENT

Airtek agrees to hold the information contained in this report, or any portion thereof, confidential. This report or information contained herein will not be released to any party except as required by law, without the consent of The Tibetan Community of New York & New Jersey. Upon Client approval, this report will be issued to any designated party.

FIGURES



AIRTEK ENVIRONMENTAL CORP.
39-37 29th STREET
LONG ISLAND CITY, NY 11101
TEL: 718.937.3720
FAX: 718.937-3721

SECTION #	
BLOCK # 1599	
LOT # 1 & 14	
AIRTEK PROJECT NUMBER: 12-0588	Date: 05-25-2012

Drawing Name:

FIGURE 1

SAMPLE LOCATION DIAGRAM

Address: 32-01 57TH STREET
WOODSIDE, QUEENS, NY 11377

APPENDIX A. LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number:	L1208820
Client:	Airtek Environmental Corp. 39-37 29th Street Long Island City, NY 11101
ATTN:	Christine Chen
Phone:	(718) 937-3720
Project Name:	32-01 57TH STREET
Project Number:	12-0588
Report Date:	05/24/12

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: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1208820-01	S-1	32-01 57TH ST. WOODSIDE, NY	05/16/12 11:25
L1208820-02	S-2	32-01 57TH ST. WOODSIDE, NY	05/17/12 10:30
L1208820-03	S-3	32-01 57TH ST. WOODSIDE, NY	05/17/12 14:10

Project Name: 32-01 57TH STREET **Lab Number:** L1208820
Project Number: 12-0588 **Report Date:** 05/24/12

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 32-01 57TH STREET **Lab Number:** L1208820
Project Number: 12-0588 **Report Date:** 05/24/12

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

L1208820-01 was analyzed on dilution due to the presence of non-target analytes.

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: 05/24/12

ORGANICS

VOLATILES

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-01	Date Collected:	05/16/12 11:25
Client ID:	S-1	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/23/12 09:54		
Analyst:	BN		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	26	2.2	1
1,1-Dichloroethane	ND		ug/kg	4.0	0.78	1
Chloroform	ND		ug/kg	4.0	0.86	1
Carbon tetrachloride	ND		ug/kg	2.6	0.56	1
1,2-Dichloropropane	ND		ug/kg	9.3	0.68	1
Dibromochloromethane	ND		ug/kg	2.6	0.82	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	1.0	1
Tetrachloroethene	ND		ug/kg	2.6	0.81	1
Chlorobenzene	ND		ug/kg	2.6	0.50	1
Trichlorofluoromethane	ND		ug/kg	13	1.0	1
1,2-Dichloroethane	ND		ug/kg	2.6	0.60	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.72	1
Bromodichloromethane	ND		ug/kg	2.6	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.80	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.71	1
1,1-Dichloropropene	ND		ug/kg	13	1.2	1
Bromoform	ND		ug/kg	11	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.64	1
Benzene	ND		ug/kg	2.6	0.79	1
Toluene	ND		ug/kg	4.0	0.64	1
Ethylbenzene	ND		ug/kg	2.6	0.59	1
Chloromethane	ND		ug/kg	13	2.1	1
Bromomethane	ND		ug/kg	5.3	1.7	1
Vinyl chloride	ND		ug/kg	5.3	2.0	1
Chloroethane	ND		ug/kg	5.3	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.6	0.69	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	1.0	1
Trichloroethene	ND		ug/kg	2.6	0.60	1
1,2-Dichlorobenzene	ND		ug/kg	13	0.97	1
1,3-Dichlorobenzene	ND		ug/kg	13	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	13	1.1	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-01 Date Collected: 05/16/12 11:25

Client ID: S-1 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.3	1.3	1
p/m-Xylene	ND		ug/kg	5.3	1.1	1
o-Xylene	ND		ug/kg	5.3	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.80	1
Dibromomethane	ND		ug/kg	26	1.2	1
Styrene	ND		ug/kg	5.3	1.9	1
Dichlorodifluoromethane	ND		ug/kg	26	1.0	1
Acetone	ND		ug/kg	26	8.6	1
Carbon disulfide	ND		ug/kg	26	1.0	1
2-Butanone	ND		ug/kg	26	10.	1
Vinyl acetate	ND		ug/kg	26	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	26	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	26	1.0	1
2-Hexanone	ND		ug/kg	26	1.0	1
Bromochloromethane	ND		ug/kg	13	0.80	1
2,2-Dichloropropane	ND		ug/kg	13	2.1	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	13	1.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.87	1
Bromobenzene	ND		ug/kg	13	0.58	1
n-Butylbenzene	ND		ug/kg	2.6	0.84	1
sec-Butylbenzene	ND		ug/kg	2.6	0.73	1
tert-Butylbenzene	ND		ug/kg	13	1.6	1
o-Chlorotoluene	ND		ug/kg	13	0.83	1
p-Chlorotoluene	ND		ug/kg	13	0.96	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	2.2	1
Hexachlorobutadiene	ND		ug/kg	13	1.2	1
Isopropylbenzene	ND		ug/kg	2.6	0.47	1
p-Isopropyltoluene	ND		ug/kg	2.6	0.73	1
Naphthalene	ND		ug/kg	13	2.0	1
Acrylonitrile	ND		ug/kg	26	1.0	1
n-Propylbenzene	ND		ug/kg	2.6	0.76	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	2.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	1.5	1
1,4-Diethylbenzene	ND		ug/kg	11	0.53	1
4-Ethyltoluene	ND		ug/kg	11	0.26	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.48	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-01 Date Collected: 05/16/12 11:25

Client ID: S-1 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-02	Date Collected:	05/17/12 10:30
Client ID:	S-2	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/23/12 10:22		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.2	0.82	1
Chloroform	ND		ug/kg	4.2	0.90	1
Carbon tetrachloride	ND		ug/kg	2.8	0.59	1
1,2-Dichloropropane	ND		ug/kg	9.7	0.71	1
Dibromochloromethane	ND		ug/kg	2.8	0.86	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.85	1
Chlorobenzene	ND		ug/kg	2.8	0.52	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.63	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.75	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.84	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.74	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.67	1
Benzene	ND		ug/kg	2.8	0.82	1
Toluene	ND		ug/kg	4.2	0.67	1
Ethylbenzene	ND		ug/kg	2.8	0.62	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.6	1.8	1
Vinyl chloride	ND		ug/kg	5.6	2.1	1
Chloroethane	ND		ug/kg	5.6	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.72	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.62	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-02 Date Collected: 05/17/12 10:30

Client ID: S-2 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.6	1.4	1
p/m-Xylene	ND		ug/kg	5.6	1.2	1
o-Xylene	ND		ug/kg	5.6	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.84	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.6	2.0	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	ND		ug/kg	28	9.0	1
Carbon disulfide	ND		ug/kg	28	1.0	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.84	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.91	1
Bromobenzene	ND		ug/kg	14	0.61	1
n-Butylbenzene	ND		ug/kg	2.8	0.87	1
sec-Butylbenzene	ND		ug/kg	2.8	0.76	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.87	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.3	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.49	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.76	1
Naphthalene	ND		ug/kg	14	2.1	1
Acrylonitrile	ND		ug/kg	28	1.0	1
n-Propylbenzene	ND		ug/kg	2.8	0.79	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.56	1
4-Ethyltoluene	ND		ug/kg	11	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.50	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-02 Date Collected: 05/17/12 10:30

Client ID: S-2 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-03	Date Collected:	05/17/12 14:10
Client ID:	S-3	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/23/12 10:50		
Analyst:	BN		
Percent Solids:	85%		

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

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-03 Date Collected: 05/17/12 14:10

Client ID: S-3 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, NY Field Prep: Not Specified

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

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-03 Date Collected: 05/17/12 14:10

Client ID: S-3 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, NY Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/23/12 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG537813-3					
Methylene chloride	3.3	J	ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/23/12 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG537813-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/23/12 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG537813-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	50.
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	50.
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	10.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG537813-1 WG537813-2								
Methylene chloride	89		84		70-130	6		30
1,1-Dichloroethane	90		86		70-130	5		30
Chloroform	91		88		70-130	3		30
Carbon tetrachloride	98		90		70-130	9		30
1,2-Dichloropropane	85		83		70-130	2		30
Dibromochloromethane	102		102		70-130	0		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	110		101		70-130	9		30
Chlorobenzene	103		98		70-130	5		30
Trichlorofluoromethane	107		99		70-139	8		30
1,2-Dichloroethane	94		94		70-130	0		30
1,1,1-Trichloroethane	98		92		70-130	6		30
Bromodichloromethane	91		89		70-130	2		30
trans-1,3-Dichloropropene	104		105		70-130	1		30
cis-1,3-Dichloropropene	90		89		70-130	1		30
1,1-Dichloropropene	92		86		70-130	7		30
Bromoform	113		112		70-130	1		30
1,1,2,2-Tetrachloroethane	114		114		70-130	0		30
Benzene	87		82		70-130	6		30
Toluene	103		95		70-130	8		30
Ethylbenzene	104		97		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG537813-1 WG537813-2								
Chloromethane	76		71		52-130	7		30
Bromomethane	103		94		57-147	9		30
Vinyl chloride	98		88		67-130	11		30
Chloroethane	122		111		50-151	9		30
1,1-Dichloroethene	92		85		65-135	8		30
trans-1,2-Dichloroethene	93		86		70-130	8		30
Trichloroethene	81		76		70-130	6		30
1,2-Dichlorobenzene	110		108		70-130	2		30
1,3-Dichlorobenzene	114		110		70-130	4		30
1,4-Dichlorobenzene	113		110		70-130	3		30
Methyl tert butyl ether	91		94		66-130	3		30
p/m-Xylene	104		98		70-130	6		30
o-Xylene	103		98		70-130	5		30
cis-1,2-Dichloroethene	90		86		70-130	5		30
Dibromomethane	89		89		70-130	0		30
Styrene	102		98		70-130	4		30
Dichlorodifluoromethane	86		78		30-146	10		30
Acetone	69		66		54-140	4		30
Carbon disulfide	89		81		59-130	9		30
2-Butanone	79		80		70-130	1		30
Vinyl acetate	110		111		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG537813-1 WG537813-2								
4-Methyl-2-pentanone	86		86		70-130	0		30
1,2,3-Trichloropropane	110		108		68-130	2		30
2-Hexanone	86		88		70-130	2		30
Bromochloromethane	95		93		70-130	2		30
2,2-Dichloropropane	98		92		70-130	6		30
1,2-Dibromoethane	102		101		70-130	1		30
1,3-Dichloropropane	103		100		69-130	3		30
1,1,1,2-Tetrachloroethane	104		102		70-130	2		30
Bromobenzene	113		110		70-130	3		30
n-Butylbenzene	111		103		70-130	7		30
sec-Butylbenzene	111		104		70-130	7		30
tert-Butylbenzene	114		107		70-130	6		30
o-Chlorotoluene	114		107		70-130	6		30
p-Chlorotoluene	113		108		70-130	5		30
1,2-Dibromo-3-chloropropane	91		90		68-130	1		30
Hexachlorobutadiene	118		108		67-130	9		30
Isopropylbenzene	115		106		70-130	8		30
p-Isopropyltoluene	116		109		70-130	6		30
Naphthalene	106		107		70-130	1		30
Acrylonitrile	84		83		70-130	1		30
Isopropyl Ether	80		79		66-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG537813-1 WG537813-2								
tert-Butyl Alcohol	87		85		70-130	2		30
n-Propylbenzene	113		106		70-130	6		30
1,2,3-Trichlorobenzene	112		111		70-130	1		30
1,2,4-Trichlorobenzene	115		112		70-130	3		30
1,3,5-Trimethylbenzene	116		110		70-130	5		30
1,2,4-Trimethylbenzene	115		110		70-130	4		30
Methyl Acetate	79		81		70-130	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	82		81		70-130	1		30
Cyclohexane	86		78		70-130	10		30
1,4-Dioxane	108		109		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		82		70-130	9		30
1,4-Diethylbenzene	116		106		70-130	9		30
4-Ethyltoluene	115		108		70-130	6		30
1,2,4,5-Tetramethylbenzene	113		108		70-130	5		30
Ethyl ether	88		88		67-130	0		30
trans-1,4-Dichloro-2-butene	110		111		70-130	1		30
Methyl cyclohexane	90		82		70-130	9		30
Ethyl-Tert-Butyl-Ether	88		88		70-130	0		30
Tertiary-Amyl Methyl Ether	88		89		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG537813-1 WG537813-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	111		109		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	100		103		70-130

SEMIVOLATILES

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-01	Date Collected:	05/16/12 11:25
Client ID:	S-1	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	05/19/12 00:13
Analytical Date:	05/21/12 21:22		
Analyst:	JB		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	50.	1
Hexachlorobenzene	ND		ug/kg	100	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	33.	1
2-Chloronaphthalene	ND		ug/kg	170	52.	1
1,2-Dichlorobenzene	ND		ug/kg	170	51.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	49.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	62.	1
2,4-Dinitrotoluene	ND		ug/kg	170	52.	1
2,6-Dinitrotoluene	ND		ug/kg	170	57.	1
Fluoranthene	ND		ug/kg	100	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	30.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	49.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	43.	1
Hexachlorobutadiene	ND		ug/kg	170	46.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	140	1
Hexachloroethane	ND		ug/kg	140	25.	1
Isophorone	ND		ug/kg	160	41.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	160	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	48.	1
Bis(2-Ethylhexyl)phthalate	65	J	ug/kg	170	36.	1
Butyl benzyl phthalate	ND		ug/kg	170	48.	1
Di-n-butylphthalate	ND		ug/kg	170	29.	1
Di-n-octylphthalate	ND		ug/kg	170	47.	1
Diethyl phthalate	ND		ug/kg	170	30.	1
Dimethyl phthalate	ND		ug/kg	170	28.	1
Benzo(a)anthracene	ND		ug/kg	100	34.	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-01 Date Collected: 05/16/12 11:25

Client ID: S-1 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, 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	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	26.	1
Chrysene	ND		ug/kg	100	27.	1
Acenaphthylene	ND		ug/kg	140	45.	1
Anthracene	ND		ug/kg	100	24.	1
Benzo(ghi)perylene	ND		ug/kg	140	44.	1
Fluorene	ND		ug/kg	170	32.	1
Phenanthrene	ND		ug/kg	100	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	42.	1
Pyrene	ND		ug/kg	100	28.	1
Biphenyl	ND		ug/kg	390	120	1
4-Chloroaniline	ND		ug/kg	170	58.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	19.	1
4-Nitroaniline	ND		ug/kg	170	100	1
Dibenzofuran	ND		ug/kg	170	35.	1
2-Methylnaphthalene	ND		ug/kg	210	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	55.	1
Acetophenone	ND		ug/kg	170	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	35.	1
2-Chlorophenol	ND		ug/kg	170	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	50.	1
2,4-Dimethylphenol	ND		ug/kg	170	71.	1
2-Nitrophenol	ND		ug/kg	370	120	1
4-Nitrophenol	ND		ug/kg	240	74.	1
2,4-Dinitrophenol	ND		ug/kg	830	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	160	1
Pentachlorophenol	ND		ug/kg	140	41.	1
Phenol	ND		ug/kg	170	54.	1
2-Methylphenol	ND		ug/kg	170	42.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	40.	1
Benzoic Acid	ND		ug/kg	560	150	1
Benzyl Alcohol	ND		ug/kg	170	40.	1
Carbazole	ND		ug/kg	170	28.	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-01 Date Collected: 05/16/12 11:25

Client ID: S-1 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, 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	74		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	114		18-120

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-02	Date Collected:	05/17/12 10:30
Client ID:	S-2	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	05/19/12 00:13
Analytical Date:	05/21/12 21:49		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	53.	1
Hexachlorobenzene	ND		ug/kg	110	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	34.	1
2-Chloronaphthalene	ND		ug/kg	180	54.	1
1,2-Dichlorobenzene	ND		ug/kg	180	53.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	65.	1
2,4-Dinitrotoluene	ND		ug/kg	180	54.	1
2,6-Dinitrotoluene	ND		ug/kg	180	59.	1
Fluoranthene	ND		ug/kg	110	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	32.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	37.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	51.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	45.	1
Hexachlorobutadiene	ND		ug/kg	180	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	140	1
Hexachloroethane	ND		ug/kg	140	26.	1
Isophorone	ND		ug/kg	160	43.	1
Naphthalene	ND		ug/kg	180	57.	1
Nitrobenzene	ND		ug/kg	160	53.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	37.	1
Butyl benzyl phthalate	ND		ug/kg	180	50.	1
Di-n-butylphthalate	ND		ug/kg	180	31.	1
Di-n-octylphthalate	ND		ug/kg	180	49.	1
Diethyl phthalate	ND		ug/kg	180	31.	1
Dimethyl phthalate	ND		ug/kg	180	30.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-02 Date Collected: 05/17/12 10:30

Client ID: S-2 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, 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	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	28.	1
Acenaphthylene	ND		ug/kg	140	47.	1
Anthracene	ND		ug/kg	110	25.	1
Benzo(ghi)perylene	ND		ug/kg	140	46.	1
Fluorene	ND		ug/kg	180	33.	1
Phenanthrene	ND		ug/kg	110	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	44.	1
Pyrene	ND		ug/kg	110	30.	1
Biphenyl	ND		ug/kg	410	120	1
4-Chloroaniline	ND		ug/kg	180	61.	1
2-Nitroaniline	ND		ug/kg	180	33.	1
3-Nitroaniline	ND		ug/kg	180	20.	1
4-Nitroaniline	ND		ug/kg	180	110	1
Dibenzofuran	ND		ug/kg	180	37.	1
2-Methylnaphthalene	ND		ug/kg	220	71.	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	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	37.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	160	52.	1
2,4-Dimethylphenol	ND		ug/kg	180	74.	1
2-Nitrophenol	ND		ug/kg	390	130	1
4-Nitrophenol	ND		ug/kg	250	77.	1
2,4-Dinitrophenol	ND		ug/kg	860	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	170	1
Pentachlorophenol	ND		ug/kg	140	43.	1
Phenol	ND		ug/kg	180	57.	1
2-Methylphenol	ND		ug/kg	180	44.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	78.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	42.	1
Benzoic Acid	ND		ug/kg	580	150	1
Benzyl Alcohol	ND		ug/kg	180	42.	1
Carbazole	ND		ug/kg	180	29.	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-02 Date Collected: 05/17/12 10:30

Client ID: S-2 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, 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	58		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	103		18-120

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-03	Date Collected:	05/17/12 14:10
Client ID:	S-3	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	05/19/12 00:13
Analytical Date:	05/21/12 22:16		
Analyst:	JB		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-03 Date Collected: 05/17/12 14:10

Client ID: S-3 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, 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	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	79.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	46.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-03 Date Collected: 05/17/12 14:10

Client ID: S-3 Date Received: 05/17/12

Sample Location: 32-01 57TH ST. WOODSIDE, 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	65		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	102		18-120

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/21/12 11:56
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/18/12 23:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG536941-1					
Acenaphthene	ND		ug/kg	130	36.
Benzidine	ND		ug/kg	550	190
n-Nitrosodimethylamine	ND		ug/kg	330	110
1,2,4-Trichlorobenzene	ND		ug/kg	170	49.
Hexachlorobenzene	ND		ug/kg	100	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	32.
2-Chloronaphthalene	ND		ug/kg	170	50.
1,2-Dichlorobenzene	ND		ug/kg	170	49.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	47.
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.
2,4-Dinitrotoluene	ND		ug/kg	170	50.
2,6-Dinitrotoluene	ND		ug/kg	170	55.
Fluoranthene	ND		ug/kg	100	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	29.
4-Bromophenyl phenyl ether	ND		ug/kg	170	35.
Azobenzene	ND		ug/kg	170	33.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	170	44.
Hexachlorocyclopentadiene	ND		ug/kg	480	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	40.
Naphthalene	ND		ug/kg	170	53.
Nitrobenzene	ND		ug/kg	150	49.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	34.
Butyl benzyl phthalate	ND		ug/kg	170	47.
Di-n-butylphthalate	ND		ug/kg	170	28.
Di-n-octylphthalate	ND		ug/kg	170	45.

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/21/12 11:56
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/18/12 23:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG536941-1					
Diethyl phthalate	ND		ug/kg	170	29.
Dimethyl phthalate	ND		ug/kg	170	27.
Benzo(a)anthracene	ND		ug/kg	100	33.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	30.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	100	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	170	31.
Phenanthrene	ND		ug/kg	100	28.
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	41.
Pyrene	ND		ug/kg	100	27.
Biphenyl	ND		ug/kg	380	120
Aniline	ND		ug/kg	200	93.
4-Chloroaniline	ND		ug/kg	170	56.
2-Nitroaniline	ND		ug/kg	170	30.
3-Nitroaniline	ND		ug/kg	170	19.
4-Nitroaniline	ND		ug/kg	170	100
Dibenzofuran	ND		ug/kg	170	34.
2-Methylnaphthalene	ND		ug/kg	200	66.
Acetophenone	ND		ug/kg	170	53.
2,4,6-Trichlorophenol	ND		ug/kg	100	30.
P-Chloro-M-Cresol	ND		ug/kg	170	34.
2-Chlorophenol	ND		ug/kg	170	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	170	69.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	71.

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/21/12 11:56
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/18/12 23:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG536941-1					
2,4-Dinitrophenol	ND		ug/kg	800	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.
Phenol	ND		ug/kg	170	52.
2-Methylphenol	ND		ug/kg	170	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	170	39.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	170	39.
Carbazole	ND		ug/kg	170	27.
Benzaldehyde	ND		ug/kg	220	61.
Caprolactam	ND		ug/kg	170	35.
Atrazine	ND		ug/kg	130	38.
Parathion, ethyl	ND		ug/kg	170	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		25-120
Phenol-d6	42		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

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: WG536941-2 WG536941-3								
Acenaphthene	83		86		31-137	4		50
Benzidine	35		53			41		50
n-Nitrosodimethylamine	1		0			50		50
1,2,4-Trichlorobenzene	84		87		38-107	4		50
Hexachlorobenzene	82		87		40-140	6		50
Bis(2-chloroethyl)ether	63		64		40-140	2		50
2-Chloronaphthalene	100		103		40-140	3		50
1,2-Dichlorobenzene	74		78		40-140	5		50
1,3-Dichlorobenzene	76		78		40-140	3		50
1,4-Dichlorobenzene	76		78		28-104	3		50
3,3'-Dichlorobenzidine	88		97		40-140	10		50
2,4-Dinitrotoluene	85		**90**	Q	28-89	6		50
2,6-Dinitrotoluene	74		77		40-140	4		50
Fluoranthene	85		91		40-140	7		50
4-Chlorophenyl phenyl ether	82		87		40-140	6		50
4-Bromophenyl phenyl ether	85		92		40-140	8		50
Azobenzene	77		80		40-140	4		50
Bis(2-chloroisopropyl)ether	69		70		40-140	1		50
Bis(2-chloroethoxy)methane	64		66		40-117	3		50
Hexachlorobutadiene	95		100		40-140	5		50
Hexachlorocyclopentadiene	92		95		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

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: WG536941-2 WG536941-3								
Hexachloroethane	79		80		40-140	1		50
Isophorone	63		63		40-140	0		50
Naphthalene	82		87		40-140	6		50
Nitrobenzene	79		83		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	75		80			6		50
n-Nitrosodi-n-propylamine	63		64		32-121	2		50
Bis(2-Ethylhexyl)phthalate	87		94		40-140	8		50
Butyl benzyl phthalate	77		84		40-140	9		50
Di-n-butylphthalate	84		93		40-140	10		50
Di-n-octylphthalate	86		94		40-140	9		50
Diethyl phthalate	80		87		40-140	8		50
Dimethyl phthalate	84		88		40-140	5		50
Benzo(a)anthracene	92		100		40-140	8		50
Benzo(a)pyrene	88		93		40-140	6		50
Benzo(b)fluoranthene	94		100		40-140	6		50
Benzo(k)fluoranthene	93		98		40-140	5		50
Chrysene	94		102		40-140	8		50
Acenaphthylene	75		78		40-140	4		50
Anthracene	91		97		40-140	6		50
Benzo(ghi)perylene	104		110		40-140	6		50
Fluorene	82		84		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

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: WG536941-2 WG536941-3								
Phenanthrene	91		96		40-140	5		50
Dibenzo(a,h)anthracene	100		105		40-140	5		50
Indeno(1,2,3-cd)Pyrene	100		106		40-140	6		50
Pyrene	83		89		35-142	7		50
Biphenyl	86		88			2		50
Aniline	49		53		40-140	8		50
4-Chloroaniline	76		80		40-140	5		50
2-Nitroaniline	72		77		47-134	7		50
3-Nitroaniline	84		90		26-129	7		50
4-Nitroaniline	79		88		41-125	11		50
Dibenzofuran	85		89		40-140	5		50
2-Methylnaphthalene	78		81		40-140	4		50
Acetophenone	73		73		14-144	0		50
2,4,6-Trichlorophenol	85		87		30-130	2		50
P-Chloro-M-Cresol	79		82		26-103	4		50
2-Chlorophenol	69		70		25-102	1		50
2,4-Dichlorophenol	88		94		30-130	7		50
2,4-Dimethylphenol	60		57		30-130	5		50
2-Nitrophenol	75		75		30-130	0		50
4-Nitrophenol	76		86		11-114	12		50
2,4-Dinitrophenol	59		56		4-130	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

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: WG536941-2 WG536941-3								
4,6-Dinitro-o-cresol	80		86		10-130	7		50
Pentachlorophenol	88		93		17-109	6		50
Phenol	42		43		26-90	2		50
2-Methylphenol	64		64		30-130.	0		50
3-Methylphenol/4-Methylphenol	63		63		30-130	0		50
2,4,5-Trichlorophenol	82		88		30-130	7		50
Benzoic Acid	35		16			**75**	Q	50
Benzyl Alcohol	62		65		40-140	5		50
Carbazole	85		94		54-128	10		50
Benzaldehyde	94		149			45		50
Caprolactam	66		69			4		50
Atrazine	92		99			7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		34		25-120
Phenol-d6	47		46		10-120
Nitrobenzene-d5	68		67		23-120
2-Fluorobiphenyl	78		78		30-120
2,4,6-Tribromophenol	113		112		0-136
4-Terphenyl-d14	90		95		18-120

PCBS

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-01	Date Collected:	05/16/12 11:25
Client ID:	S-1	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/19/12 00:17
Analytical Date:	05/20/12 16:05	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/20/12
Percent Solids:	94%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/20/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.0	6.72	1
Aroclor 1221	ND		ug/kg	34.0	10.2	1
Aroclor 1232	ND		ug/kg	34.0	7.22	1
Aroclor 1242	ND		ug/kg	34.0	6.45	1
Aroclor 1248	ND		ug/kg	34.0	4.11	1
Aroclor 1254	ND		ug/kg	34.0	5.36	1
Aroclor 1260	ND		ug/kg	34.0	5.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	87		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	101		30-150
Decachlorobiphenyl	73		30-150

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-02	Date Collected:	05/17/12 10:30
Client ID:	S-2	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/19/12 00:17
Analytical Date:	05/20/12 16:20	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/20/12
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/20/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.3	6.97	1
Aroclor 1221	ND		ug/kg	35.3	10.6	1
Aroclor 1232	ND		ug/kg	35.3	7.49	1
Aroclor 1242	ND		ug/kg	35.3	6.69	1
Aroclor 1248	ND		ug/kg	35.3	4.27	1
Aroclor 1254	ND		ug/kg	35.3	5.56	1
Aroclor 1260	ND		ug/kg	35.3	6.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	41		30-150
2,4,5,6-Tetrachloro-m-xylene	91		30-150
Decachlorobiphenyl	59		30-150

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-03	Date Collected:	05/17/12 14:10
Client ID:	S-3	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/19/12 00:17
Analytical Date:	05/20/12 16:35	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/20/12
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/20/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.1	7.32	1
Aroclor 1221	ND		ug/kg	37.1	11.2	1
Aroclor 1232	ND		ug/kg	37.1	7.88	1
Aroclor 1242	ND		ug/kg	37.1	7.04	1
Aroclor 1248	ND		ug/kg	37.1	4.49	1
Aroclor 1254	ND		ug/kg	37.1	5.85	1
Aroclor 1260	ND		ug/kg	37.1	6.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	43		30-150
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	55		30-150

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/20/12 18:14
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 05/18/12 23:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/20/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/20/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG536944-1					
Aroclor 1016	ND		ug/kg	33.3	6.58
Aroclor 1221	ND		ug/kg	33.3	10.0
Aroclor 1232	ND		ug/kg	33.3	7.08
Aroclor 1242	ND		ug/kg	33.3	6.32
Aroclor 1248	ND		ug/kg	33.3	4.03
Aroclor 1254	ND		ug/kg	33.3	5.25
Aroclor 1260	ND		ug/kg	33.3	5.78

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	87		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	98		30-150
Decachlorobiphenyl	66		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG536944-2 WG536944-3								
Aroclor 1016	97		94		40-140	3		50
Aroclor 1260	78		78		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	89		86		30-150
Decachlorobiphenyl	63		63		30-150
2,4,5,6-Tetrachloro-m-xylene	105		102		30-150
Decachlorobiphenyl	78		79		30-150

PESTICIDES

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-01 D	Date Collected:	05/16/12 11:25
Client ID:	S-1	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	05/21/12 15:51
Analytical Date:	05/22/12 09:26	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	05/22/12
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDT	95.0		ug/kg	30.4	13.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	137		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-01 D	Date Collected:	05/16/12 11:25
Client ID:	S-1	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	05/21/12 15:51
Analytical Date:	05/22/12 09:26	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	05/22/12
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	16.2	3.17	10
Lindane	ND		ug/kg	6.74	3.02	10
Alpha-BHC	ND		ug/kg	6.74	1.92	10
Beta-BHC	ND		ug/kg	16.2	6.14	10
Heptachlor	ND		ug/kg	8.10	3.63	10
Aldrin	ND		ug/kg	16.2	5.70	10
Heptachlor epoxide	ND		ug/kg	30.4	9.11	10
Endrin	ND		ug/kg	6.74	2.76	10
Endrin ketone	ND		ug/kg	16.2	4.17	10
Dieldrin	ND		ug/kg	10.1	5.06	10
4,4'-DDE	ND		ug/kg	16.2	3.74	10
4,4'-DDD	ND		ug/kg	16.2	5.77	10
Endosulfan I	ND		ug/kg	16.2	3.82	10
Endosulfan II	ND		ug/kg	16.2	5.41	10
Endosulfan sulfate	ND		ug/kg	6.74	3.08	10
Methoxychlor	ND		ug/kg	30.4	9.44	10
Toxaphene	ND		ug/kg	304	85.0	10
trans-Chlordane	ND		ug/kg	20.2	5.34	10
Chlordane	ND		ug/kg	132	53.6	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	137		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-02	Date Collected:	05/17/12 10:30
Client ID:	S-2	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	05/21/12 15:51
Analytical Date:	05/22/12 09:39	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	05/22/12
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.73	0.339	1
Lindane	ND		ug/kg	0.720	0.322	1
Alpha-BHC	ND		ug/kg	0.720	0.205	1
Beta-BHC	ND		ug/kg	1.73	0.656	1
Heptachlor	ND		ug/kg	0.865	0.388	1
Aldrin	ND		ug/kg	1.73	0.609	1
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1
Endrin	ND		ug/kg	0.720	0.295	1
Endrin ketone	ND		ug/kg	1.73	0.445	1
Dieldrin	ND		ug/kg	1.08	0.540	1
4,4'-DDE	ND		ug/kg	1.73	0.400	1
4,4'-DDD	ND		ug/kg	1.73	0.617	1
4,4'-DDT	ND		ug/kg	3.24	1.39	1
Endosulfan I	ND		ug/kg	1.73	0.408	1
Endosulfan II	ND		ug/kg	1.73	0.578	1
Endosulfan sulfate	ND		ug/kg	0.720	0.329	1
Methoxychlor	ND		ug/kg	3.24	1.01	1
Toxaphene	ND		ug/kg	32.4	9.08	1
trans-Chlordane	ND		ug/kg	2.16	0.571	1
Chlordane	ND		ug/kg	14.0	5.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 32-01 57TH STREET **Lab Number:** L1208820

Project Number: 12-0588 **Report Date:** 05/24/12

SAMPLE RESULTS

Lab ID:	L1208820-03	Date Collected:	05/17/12 14:10
Client ID:	S-3	Date Received:	05/17/12
Sample Location:	32-01 57TH ST. WOODSIDE, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	05/21/12 15:51
Analytical Date:	05/22/12 09:51	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	05/22/12
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.83	0.358	1
Lindane	ND		ug/kg	0.761	0.340	1
Alpha-BHC	ND		ug/kg	0.761	0.216	1
Beta-BHC	ND		ug/kg	1.83	0.693	1
Heptachlor	ND		ug/kg	0.914	0.410	1
Aldrin	ND		ug/kg	1.83	0.643	1
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1
Endrin	ND		ug/kg	0.761	0.312	1
Endrin ketone	ND		ug/kg	1.83	0.470	1
Dieldrin	ND		ug/kg	1.14	0.571	1
4,4'-DDE	ND		ug/kg	1.83	0.423	1
4,4'-DDD	ND		ug/kg	1.83	0.652	1
4,4'-DDT	ND		ug/kg	3.43	1.47	1
Endosulfan I	ND		ug/kg	1.83	0.432	1
Endosulfan II	ND		ug/kg	1.83	0.611	1
Endosulfan sulfate	ND		ug/kg	0.761	0.348	1
Methoxychlor	ND		ug/kg	3.43	1.07	1
Toxaphene	ND		ug/kg	34.3	9.59	1
trans-Chlordane	ND		ug/kg	2.28	0.603	1
Chlordane	ND		ug/kg	14.8	6.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 05/22/12 10:04
Analyst: BW

Extraction Method: EPA 3546
Extraction Date: 05/21/12 15:51
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/22/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG537198-1					
Delta-BHC	ND		ug/kg	1.58	0.310
Lindane	ND		ug/kg	0.660	0.295
Alpha-BHC	ND		ug/kg	0.660	0.187
Beta-BHC	ND		ug/kg	1.58	0.601
Heptachlor	ND		ug/kg	0.792	0.355
Aldrin	ND		ug/kg	1.58	0.558
Heptachlor epoxide	ND		ug/kg	2.97	0.891
Endrin	ND		ug/kg	0.660	0.271
Endrin ketone	ND		ug/kg	1.58	0.408
Dieldrin	ND		ug/kg	0.990	0.495
4,4'-DDE	ND		ug/kg	1.58	0.366
4,4'-DDD	ND		ug/kg	1.58	0.565
4,4'-DDT	ND		ug/kg	2.97	1.27
Endosulfan I	ND		ug/kg	1.58	0.374
Endosulfan II	ND		ug/kg	1.58	0.529
Endosulfan sulfate	ND		ug/kg	0.660	0.302
Methoxychlor	ND		ug/kg	2.97	0.924
Toxaphene	ND		ug/kg	29.7	8.32
cis-Chlordane	ND		ug/kg	1.98	0.552
trans-Chlordane	ND		ug/kg	1.98	0.523
Chlordane	ND		ug/kg	12.9	5.25

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	131		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	114		30-150	B
Decachlorobiphenyl	**160**	Q	30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

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: WG537198-2 WG537198-3								
Delta-BHC	74		94		30-150	24		30
Lindane	75		93		30-150	21		30
Alpha-BHC	76		94		30-150	21		30
Beta-BHC	76		99		30-150	26		30
Heptachlor	75		93		30-150	21		30
Aldrin	75		93		30-150	21		30
Heptachlor epoxide	70		89		30-150	24		30
Endrin	79		99		30-150	22		30
Endrin ketone	64		80		30-150	22		30
Dieldrin	74		93		30-150	23		30
4,4'-DDE	74		92		30-150	22		30
4,4'-DDD	73		94		30-150	25		30
4,4'-DDT	71		89		30-150	23		30
Endosulfan I	74		93		30-150	23		30
Endosulfan II	73		92		30-150	23		30
Endosulfan sulfate	92		116		30-150	23		30
Methoxychlor	64		81		30-150	23		30
cis-Chlordane	71		89		30-150	23		30
trans-Chlordane	70		88		30-150	23		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

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: WG537198-2 WG537198-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		90		30-150	A
Decachlorobiphenyl	45		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		82		30-150	B
Decachlorobiphenyl	96		117		30-150	B

METALS

Project Name: 32-01 57TH STREET
Lab Number: L1208820
Project Number: 12-0588
Report Date: 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-01
Client ID: S-1
Sample Location: 32-01 57TH ST. WOODSIDE, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 05/16/12 11:25
Date Received: 05/17/12
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	6600		mg/kg	4.0	0.89	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Antimony, Total	1.3	J	mg/kg	2.0	0.38	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Arsenic, Total	0.89		mg/kg	0.40	0.14	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Barium, Total	29		mg/kg	0.40	0.03	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Beryllium, Total	0.21		mg/kg	0.20	0.01	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Calcium, Total	9100		mg/kg	4.0	0.87	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Chromium, Total	19		mg/kg	0.40	0.08	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Cobalt, Total	4.5		mg/kg	0.80	0.09	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Copper, Total	29		mg/kg	0.40	0.19	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Iron, Total	10000		mg/kg	2.0	0.69	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Lead, Total	3.8		mg/kg	2.0	0.11	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Magnesium, Total	5100		mg/kg	4.0	1.8	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Manganese, Total	210		mg/kg	0.40	0.04	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/20/12 17:05	05/22/12 11:30	EPA 7471A	1,7471A	KL
Nickel, Total	10		mg/kg	1.0	0.11	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Potassium, Total	920		mg/kg	100	32.	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Selenium, Total	0.44	J	mg/kg	0.80	0.13	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	0.07	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Sodium, Total	500		mg/kg	80	32.	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.25	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Vanadium, Total	22		mg/kg	0.40	0.09	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG
Zinc, Total	22		mg/kg	2.0	0.22	1	05/23/12 13:40	05/24/12 11:07	EPA 3050B	1,6010B	MG

Project Name: 32-01 57TH STREET
Lab Number: L1208820
Project Number: 12-0588
Report Date: 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-02
Client ID: S-2
Sample Location: 32-01 57TH ST. WOODSIDE, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 05/17/12 10:30
Date Received: 05/17/12
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	4.2	0.93	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Antimony, Total	1.1	J	mg/kg	2.1	0.40	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Arsenic, Total	0.96		mg/kg	0.42	0.14	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Barium, Total	24		mg/kg	0.42	0.04	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Beryllium, Total	0.26		mg/kg	0.21	0.02	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Cadmium, Total	0.05	J	mg/kg	0.42	0.03	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Calcium, Total	1400		mg/kg	4.2	0.91	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Chromium, Total	11		mg/kg	0.42	0.09	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Cobalt, Total	4.1		mg/kg	0.84	0.09	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Copper, Total	24		mg/kg	0.42	0.19	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Iron, Total	9300		mg/kg	2.1	0.72	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Lead, Total	2.8		mg/kg	2.1	0.12	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Magnesium, Total	1700		mg/kg	4.2	1.9	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Manganese, Total	220		mg/kg	0.42	0.04	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	05/20/12 17:05	05/22/12 11:32	EPA 7471A	1,7471A	KL
Nickel, Total	11		mg/kg	1.0	0.12	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Potassium, Total	670		mg/kg	100	34.	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Selenium, Total	0.49	J	mg/kg	0.84	0.14	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.42	0.07	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Sodium, Total	260		mg/kg	84	33.	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.84	0.26	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Vanadium, Total	19		mg/kg	0.42	0.09	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG
Zinc, Total	34		mg/kg	2.1	0.23	1	05/23/12 13:40	05/24/12 11:10	EPA 3050B	1,6010B	MG

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-03
Client ID: S-3
Sample Location: 32-01 57TH ST. WOODSIDE, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 05/17/12 14:10
Date Received: 05/17/12
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	12000		mg/kg	4.4	0.98	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Antimony, Total	1.9	J	mg/kg	2.2	0.42	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Arsenic, Total	1.1		mg/kg	0.44	0.15	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Barium, Total	86		mg/kg	0.44	0.04	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Beryllium, Total	0.50		mg/kg	0.22	0.02	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.03	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Calcium, Total	620		mg/kg	4.4	0.96	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Chromium, Total	33		mg/kg	0.44	0.09	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Cobalt, Total	5.8		mg/kg	0.88	0.10	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Copper, Total	19		mg/kg	0.44	0.20	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Iron, Total	13000		mg/kg	2.2	0.76	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Lead, Total	4.2		mg/kg	2.2	0.12	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Magnesium, Total	2100		mg/kg	4.4	2.0	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Manganese, Total	330		mg/kg	0.44	0.05	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	05/20/12 17:05	05/22/12 11:34	EPA 7471A	1,7471A	KL
Nickel, Total	12		mg/kg	1.1	0.12	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Potassium, Total	960		mg/kg	110	35.	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Selenium, Total	0.66	J	mg/kg	0.88	0.14	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.44	0.07	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Sodium, Total	250		mg/kg	88	35.	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	0.28	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Vanadium, Total	27		mg/kg	0.44	0.10	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG
Zinc, Total	20		mg/kg	2.2	0.24	1	05/23/12 13:40	05/24/12 11:12	EPA 3050B	1,6010B	MG

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

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: WG537024-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/20/12 17:05	05/22/12 11:05	1,7471A	KL

Prep Information

Digestion Method: EPA 7471A

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: WG537702-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.89	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.38	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	0.14	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	0.03	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	0.01	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Calcium, Total	2.3	J	mg/kg	4.0	0.87	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	0.09	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	0.18	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Iron, Total	0.75	J	mg/kg	2.0	0.69	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	0.11	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1.8	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	0.04	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	0.11	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Potassium, Total	ND		mg/kg	100	32.	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.13	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	0.07	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Sodium, Total	ND		mg/kg	80	32.	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.25	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	0.09	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	0.22	1	05/23/12 13:40	05/24/12 10:31	1,6010B	MG

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG537024-2 SRM Lot Number: 0518-10-02								
Mercury, Total	98		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG537702-2					
Aluminum, Total	108	-	75-125	-	
Antimony, Total	97	-	75-125	-	
Arsenic, Total	107	-	75-125	-	
Barium, Total	101	-	75-125	-	
Beryllium, Total	103	-	75-125	-	
Cadmium, Total	103	-	75-125	-	
Calcium, Total	94	-	75-125	-	
Chromium, Total	101	-	75-125	-	
Cobalt, Total	103	-	75-125	-	
Copper, Total	103	-	75-125	-	
Iron, Total	104	-	75-125	-	
Lead, Total	103	-	75-125	-	
Magnesium, Total	97	-	75-125	-	
Manganese, Total	103	-	75-125	-	
Nickel, Total	103	-	75-125	-	
Potassium, Total	94	-	75-125	-	
Selenium, Total	100	-	75-125	-	
Silver, Total	99	-	75-125	-	
Sodium, Total	107	-	75-125	-	
Thallium, Total	102	-	75-125	-	
Vanadium, Total	103	-	75-125	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 32-01 57TH STREET

Project Number: 12-0588

Lab Number: L1208820

Report Date: 05/24/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG537702-2					
Zinc, Total	97	-	75-125	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

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: WG537024-4 QC Sample: L1208321-04 Client ID: MS Sample												
Mercury, Total	0.02J	0.166	0.20	120		-	-		70-130	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

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: WG537702-4 QC Sample: L1208321-04 Client ID: MS Sample										
Aluminum, Total	1900	173	2500	**347**	Q	-	-	75-125	-	35
Antimony, Total	0.71J	43.3	30	**69**	Q	-	-	75-125	-	35
Arsenic, Total	0.83	10.4	9.0	79		-	-	75-125	-	35
Barium, Total	13.	173	190	102		-	-	75-125	-	35
Beryllium, Total	0.04J	4.33	4.4	102		-	-	75-125	-	35
Cadmium, Total	0.16J	4.41	4.5	102		-	-	75-125	-	35
Calcium, Total	1400	866	2200	92		-	-	75-125	-	35
Chromium, Total	3.6	17.3	21	100		-	-	75-125	-	35
Cobalt, Total	0.23J	43.3	44	102		-	-	75-125	-	35
Copper, Total	5.6	21.6	27	99		-	-	75-125	-	35
Iron, Total	2400	86.6	2400	**0**	Q	-	-	75-125	-	35
Lead, Total	20.	44.1	78	**131**	Q	-	-	75-125	-	35
Magnesium, Total	130	866	960	96		-	-	75-125	-	35
Manganese, Total	22.	43.3	64	97		-	-	75-125	-	35
Nickel, Total	1.4	43.3	44	98		-	-	75-125	-	35
Potassium, Total	120	866	1000	102		-	-	75-125	-	35
Selenium, Total	0.30J	10.4	7.9	76		-	-	75-125	-	35
Silver, Total	ND	26	25	96		-	-	75-125	-	35
Sodium, Total	59.J	866	1000	116		-	-	75-125	-	35
Thallium, Total	ND	10.4	10	96		-	-	75-125	-	35
Vanadium, Total	5.5	43.3	48	98		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

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: WG537702-4 QC Sample: L1208321-04 Client ID: MS Sample									
Zinc, Total	56.	43.3	98	97	-	-	75-125	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG537024-3 QC Sample: L1208321-04 Client ID: DUP Sample						
Mercury, Total	0.02J	0.03J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG537702-3 QC Sample: L1208321-04 Client ID: DUP Sample						
Aluminum, Total	1900	1500	mg/kg	24		35
Antimony, Total	0.71J	0.50J	mg/kg	NC		35
Arsenic, Total	0.83	0.72	mg/kg	14		35
Barium, Total	13.	14	mg/kg	7		35
Beryllium, Total	0.04J	0.04J	mg/kg	NC		35
Cadmium, Total	0.16J	0.15J	mg/kg	NC		35
Calcium, Total	1400	1400	mg/kg	0		35
Chromium, Total	3.6	3.0	mg/kg	18		35
Cobalt, Total	0.23J	0.18J	mg/kg	NC		35
Copper, Total	5.6	5.1	mg/kg	9		35
Iron, Total	2400	2200	mg/kg	9		35
Lead, Total	20.	65	mg/kg	**106**	Q	35
Magnesium, Total	130	110	mg/kg	17		35
Manganese, Total	22.	20	mg/kg	10		35
Nickel, Total	1.4	1.3	mg/kg	7		35
Potassium, Total	120	92J	mg/kg	NC		35
Selenium, Total	0.30J	0.15J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	59.J	ND	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG537702-3 QC Sample: L1208321-04 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	5.5	4.6	mg/kg	18	35
Zinc, Total	56.	52	mg/kg	7	35

INORGANICS
&
MISCELLANEOUS

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-01
Client ID: S-1
Sample Location: 32-01 57TH ST. WOODSIDE, NY
Matrix: Soil
Date Collected: 05/16/12 11:25
Date Received: 05/17/12
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		%	0.10	NA	1	-	05/18/12 15:25	30,2540G	RD

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-02
Client ID: S-2
Sample Location: 32-01 57TH ST. WOODSIDE, NY
Matrix: Soil
Date Collected: 05/17/12 10:30
Date Received: 05/17/12
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	90		%	0.10	NA	1	-	05/18/12 15:25	30,2540G	RD

Project Name: 32-01 57TH STREET
Project Number: 12-0588
Lab Number: L1208820
Report Date: 05/24/12

SAMPLE RESULTS

Lab ID: L1208820-03
Client ID: S-3
Sample Location: 32-01 57TH ST. WOODSIDE, NY
Matrix: Soil
Date Collected: 05/17/12 14:10
Date Received: 05/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	05/18/12 15:25	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG536848-1 QC Sample: L1208815-01 Client ID: DUP Sample						
Solids, Total	90.	89	%	1		20

Project Name: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

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(*)
L1208820-01A	Vial Large unpreserved	A	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1208820-01B	Amber 250ml unpreserved	A	N/A	5.2	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),TS(7),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)
L1208820-01C	Amber 250ml unpreserved	A	N/A	5.2	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),TS(7),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)
L1208820-02A	Vial Large unpreserved	A	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1208820-02B	Amber 250ml unpreserved	A	N/A	5.2	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),TS(7),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: 32-01 57TH STREET
Project Number: 12-0588

Lab Number: L1208820
Report Date: 05/24/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1208820-02C	Amber 250ml unpreserved	A	N/A	5.2	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),TS(7),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)
L1208820-03A	Vial Large unpreserved	A	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1208820-03B	Amber 250ml unpreserved	A	N/A	5.2	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),TS(7),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)
L1208820-03C	Amber 250ml unpreserved	A	N/A	5.2	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),TS(7),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)

Container Comments

L1208820-03B

*Values in parentheses indicate holding time in days

Project Name:	32-01 57TH STREET	**Lab Number:**	L1208820
Project Number:	12-0588	**Report Date:**	05/24/12

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	32-01 57TH STREET	**Lab Number:**	L1208820
Project Number:	12-0588	**Report Date:**	05/24/12

Data Qualifiers

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.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	32-01 57TH STREET	**Lab Number:**	L1208820
Project Number:	12-0588	**Report Date:**	05/24/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised May 11, 2012 - Westboro Facility

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

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

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D, Fecal Coliform-EC Medium 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, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterolert, E.Coli 9223.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics, Acid Extractables (Phenols), Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 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, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,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, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6010C, 6020, 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, 9030B, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8081B, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 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, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C,6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8270C, 8270D, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

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

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: 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 (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 3005A, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B, 8015B, 8015C.)

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, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 5-17-12

ALPHA Job #: L1208820

ALPHA ANALYTICAL

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

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

Client Information

Client: Airtek Environmental Corp.

Address: 39-37 29th Street

Long Island City, NY 11101

Phone: (718) 937-3720

Fax: (718) 937-3721

Email: cchen@airtekenv.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 32-01 57th Street

Project Location: 32-01 57th St., Woodside, NY

Project #: 12-0588

Project Manager: Christine Chen

ALPHA Quote #: 2011060

Turn-Around Time

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

Date Due: 5/24/12 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 Date	Collection Time	Sample Matrix	Sampler's Initials	Soil VOCs w/MTBE (by Method 8260)	Soil SVOCs (by Method 8270)	Soil PCBs/Pesticides (by Method 8081/8082)	Soil TAL Metals (by Method SW846 6010B)	Sample Specific Comments	TOTAL # BOTTLES
08820-1	S-1	5/16/12	11:25	S	CC	X	X	X	X		3
2	S-2	5/17/12	10:30	S	CC AP	X	X	X	X		3
3	S-3	5/17/12	14:10	S	CC AP	X	X	X	X		3
	~~S-4~~			S	CC	X	X	X	X		3

SAMPLE HANDLING

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

Container Type	G	G	G	G
Preservative	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	5/17/12 16:02		5/17/12 16:0
	5/17/12 22:40		5/17/12 22:40

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

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

Serial_No:05241216:29