

WESTERN BEEF
4720 THIRD AVENUE, BRONX, NEW YORK
BLOCK 3042, LOTS 13, 22, 28

PHASE II
ENVIRONMENTAL SITE ASSESSMENT
(ASTM E1903-11)



PREPARED FOR:

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ACRONYM	DEFINITION
ASP	Analytical Services Protocol
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
DER	Department of Environmental Remediation
ELAP	Environmental Laboratory Approval Program
EM	Electromagnetic
ESA	Environmental Site Assessment
GQS	Groundwater Quality Standard
GV	Guidance Value
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyl
PID	Photo-ionization Detector
PWGC	P.W. Grosser Consulting, Inc.
QA/QC	Quality Assurance / Quality Control
REC	Recognized Environmental Condition
SCO	Soil Cleanup Objective
SVOC	Semi-volatile Organic Compound
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1.0 INTRODUCTION

Booth Capital (Client) retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Phase II Environmental Site Assessment (ESA) for the property located at 4720 Third Avenue, Bronx, New York. The purpose of the Phase II ESA was to further evaluate recognized environmental conditions (RECs) identified in the Phase I ESA to obtain sound, scientifically valid data concerning actual property conditions.

Work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1903-11 (Standard Practices for Environmental Site Assessment: Phase II Environmental Site Assessment Process) and in substantial conformance with the New York State Department of Environmental Conservation's (NYSDEC's) Division of Environmental Remediation's (DER's) Technical Guidance for Site Investigation and Remediation, May 2010 (DER-10).

2.0 BACKGROUND

2.1 Site Description and Features

The subject property consists of three parcels located at 4720 Third Avenue in the Belmont neighborhood of Bronx, New York. The site is located in the Bronx Borough and Bronx County. The property is identified in the New York City Tax Map as the following;

- Block 3042, Lot 13;
- Block 3042, Lot 22; and
- Block 3042, Lot 28.

A Site Location Map is included as Figure 1 and a Site Plan is included as Figure 2.

The subject property measures 35,612-square feet and is occupied by a 18,817-square foot one story building with two partial basements.

2.2 Physical Setting

The topography of the site and surrounding area was reviewed from the USGS 7.5-minute series topographic map for the Central Park, New York quadrangle. The property elevation is approximately 61 feet above the National Geodetic Vertical Datum (NGVD). Regional physiographic conditions are summarized below.

2.3 Site History and Land Use

Historical usage of the subject property indicates that it was first developed in approximately 1896, used for residential and commercial purposes from approximately 1896 to 1977, and Sears automotive repair purposes from approximately 1977 to the present.

2.4 Adjacent Property Land Use

The surrounding area has been developed since approximately 1896. The area has been primarily residential and commercial since 1896 with increased development beginning approximately 1901. Multiple auto repair shops, a gas station, and scrap metal location have existed or continue to exist on nearby lots.

2.5 Summary of Previous Assessments

2.5.1 Phase I Environmental Site Assessment Report (Month Year)

A Phase I ESA was prepared for the subject property in September of 2017 by PWGC. The Phase I ESA identified the following RECs associated with subject property.

- The presence of a 550-gallon gasoline UST is documented on Sanborn Maps beneath the building on the subject property from 1945 to the present. Records documenting spills, abandonment, or removal were not identified. The presence of an unmaintained UST beneath the building may result in an unobserved release. The potential current or former presence of a 550-gallon UST represents a REC.
- Per Sanborn Maps and city directories provided in the EDR, the subject property was used as an automotive garage from 1924 to 1950, a car dealership from 1950 to 1993, and a Sears Auto Parts store from 1993 to approximately 2014 when the store was vacated. Violations, spills, and records of hazardous waste generation and disposal are not identified in the EDR. However, site reconnaissance identified an empty room labeled “Hazardous Waste Material Storage” with staining on the concrete floor and in the nearby mechanic shop area. The staining on the floor indicates that hazardous materials may have penetrated the floor and impacted the subsurface and is, therefore, considered a REC.
- An out-of-service 2,000-gallon fuel oil AST was identified in the northern partial basement. Upon inspection, signs of a release such as staining, odors, or free product on the floor were not observed. It could not be determined if material was present in the AST, and the AST was located within a partial vault. The AST represents a REC.
- Seven floor drains were observed within the building - Four in the main mechanic shop, one located in “Hazardous Waste Material Storage” room; and, two located in the bathroom area in the central portion of the building, and two storm water catch basins and two solid manhole covers located in the parking lot. During the site reconnaissance, the discharge points of these structures could not be determined. The presence of these floor drains and catch basins in conjunction with the site’s history as a car dealership/service center is a REC.
- Environmental concerns were documented for several adjacent properties including one open NYSPILLS site (Spill #16-04272), one active gasoline station, two former gasoline stations, one former parking facility which historically contained gasoline USTs, as well as a historical auto repair shop. The open NYSPILLS site is located hydraulically up-gradient from the subject property according to a groundwater survey prepared for a Phase II ESA provided by NYSDEC. Database records identify the presence of BTEX in the groundwater beneath the adjacent spills site. Due to the presence of BTEX in the groundwater in conjunction with the documented groundwater flow direction, as well as the presence of other adjacent properties with documented environmental concerns, the adjacent properties potential impact on the groundwater beneath the subject site represents a REC.
- Documentation regarding the adjacent NYSPILLS site (Spill #16-04272) included records of soil vapor samples from the property that detected elevated concentrations of chlorinated solvents. Additionally, two Drycleaners sites were identified up-gradient of the subject property. The presence of chlorinated solvents detected in the soil vapor of an adjacent property in conjunction with the two identified Drycleaners sites represents a REC.
- The subject property has been issued an E-Designation by the New York City Department of City Planning regarding hazardous materials and noise. Future remedial investigations, remedial action plans, and construction health and safety plans should be approved by New

York City Office of Environmental Remediation prior to implementation.

The Phase I ESA recommended that a Phase II ESA be performed at subject property.

3.0 WORK PERFORMED AND RATIONALE

3.1 Scope of Assessment

The Phase II ESA included the following tasks:

1. Geophysical Survey
2. Soil Quality Evaluation
3. Soil Vapor Intrusion Investigation

3.2 Geophysical Survey

On August 21 and 22, 2017, PWGC and Delta Geophysics, Inc. (Delta) of Catasauqua, Pennsylvania mobilized to the subject property to perform a geophysical survey. The purpose of the geophysical survey was to determine the absence/presence of subsurface anomalies at the subject property. Descriptions of the geophysical methods are described below. The survey was limited by interference from the reinforced concrete throughout the slab of the building and the conductive soils encountered under the asphalt in the parking lot. A copy of the Geophysical Report is included in **Appendix A**.

3.2.1 Electromagnetic Survey

Delta utilized a Fisher M-Scope TW-6 electromagnetic (EM) instrument. The Fisher M-Scope TW-6 uses the principle of EM induction to measure the variability of electrical conductivity of subsurface materials and the presence of buried metal objects. Significant contrasts in the electrical properties between non-indigenous materials and surrounding soil enable accurate delineation of buried waste materials, fill, and geologic features. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as underground storage tanks (USTs), metallic wastes, buried drums, pipelines, reinforced building foundations, and other metal components of buried structures. It is, however, equally sensitive to metal objects on the ground surface.

3.2.2 Ground Penetrating Radar Survey

Following the electromagnetic survey, Delta utilized a SIR-3000 Ground Penetrating Radar (GPR) unit

with a 400 Mhz antenna to further investigate the metallic anomalies.

3.2.3 Survey Findings

The findings of the geophysical survey concluded the following:

- A metallic anomaly indicative of a 550-gallon UST and piping indicative of a UST was identified under the building slab in the central northern section of the building.
- Piping associated with the seven floor drains and two storm water catch basins identified in the field were traced to the municipal sewer system under Third Avenue. The floor drains within the mechanical workshop area and “Hazardous Waste Material Storage” room were connected to an oil/water separator, which was connected to the municipal sewer.
- Storm water structures in the parking lot were traced to the municipal sewer system.
- Concrete pad located in the parking area was identified as a possible location for a former trash compactor.

The complete Geophysical Investigation Report is included in **Appendix A**.

3.3 Soil Quality Evaluation

To characterize soil quality, soil borings were installed throughout the subject property. Boring locations were focused in areas of potential concern as identified by the Phase I ESA and geophysical survey. A total of eighteen soil samples were collected from eleven soil borings (SB001 to SB011) during the investigation. Soil boring locations are illustrated on **Figure 2**.

Soil borings SB001, SB002, and SB003 were installed in the vicinity of the anomaly thought to be a UST. Soil boring SB004 was installed within basement #1. Soil boring SB005 was installed within the “Hazardous Waste Material Storage” room. Soil borings SB006, SB007, SB008, SB009 and SB010 were collected throughout the site, both inside and outside, to obtain subsurface soil quality from throughout the remainder of the site. Due to limited access, no soil borings could be advanced within basement #2.

3.3.1 Soil Boring Protocol

Coastal Environmental Solutions, Inc. of Patchogue, New York provided environmental drilling services during the investigation. A Geoprobe 6610-DT drill rig was utilized to install the environmental soil borings. Prior to performing each soil boring, 10-mil polyethylene sheeting, sufficiently large to hold the anticipated number of soil cores was laid on the ground in the area

where each soil boring was performed.

Soils were collected continuously from ground surface to an approximate depth of three to fourteen feet below surface grade. Soil borings were advanced to refusal between nine and 14 feet below grade at each location.

The soil cores were placed on the 10-mil polyethylene sheeting in the order they came out of the ground. The acetate liners were cut open and the soil core was screened for the presence of volatile organic vapors, which are commonly associated with petroleum products and industrial solvents, utilizing a photo-ionization detector (PID). Each soil core was classified by a hydrogeologist using the unified soil classification system (USCS). A soil boring log was developed for each location (**Appendix B**) and includes the characterization and screening data along with lithology cross sections.

Soils collected throughout the site consisted of mostly fine to coarse grained sands with some silt to a depth of nine to fourteen feet overlain by one to three feet of historic fill consisting of fines, brick and concrete fragments. Refusal likely due to competent bedrock, was encountered at nine to fourteen feet throughout the property.

3.3.2 Sample Collection Protocol

Samples were analyzed for the following chemical analysis:

- Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260;
- Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270
- Organochlorine Pesticides & Polychlorinated Biphenyls (PCBs) by USEPA Methods 8081/8082; and
- Metals by USEPA Methods 6010/7196/7471/9012.

Samples collected for volatile organic analysis were collected directly from the acetate liners utilizing terra-core sampling devices. The remaining sample volumes were transferred to a stainless steel bowl and homogenized. Once homogenized, samples were transferred to laboratory supplied glassware and packed in a cooler with ice and shipped under proper chain-of-custody procedures to Alpha Analytical (Alpha) of Westboro, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory.

3.3.3 Soil Analytical Results

Soil analytical results were compared to the NYSDEC's Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 and Final Commissioner Policy, CP-51 Soil Cleanup Objectives (SCOs) for Commercial Use Criteria.

Soil analytical results detected concentrations of one SVOCs and two Metals in exceedance of Commercial Use SCOs in four of the eleven boring locations in the 0-2-foot interval. No VOCs, PCBs or Pesticides were detected at concentrations excess of the Commercial Use SCOS in each of the eighteen soil samples.

SVOCs:

Soil concentrations of benzo(a)pyrene exceeding Commercial Use SCOs were detected in SB002 (0-2'), SB008 (0-2') and SB009 (0-2').

Metals:

Soil concentrations of barium exceeding Commercial Use SCO's were detected in SB006 (0-2') and SB010 (0-2') and mercury in SB010 (0-2').

Analytical results are detailed in **Tables 1** through **5** and the complete laboratory analytical report is included in **Appendix C**.

3.4 Groundwater Investigation

Groundwater was not encountered during subsurface activities at the subject property. Refusal was encountered between nine and 14 feet below grade at each of the soil boring locations. This is likely due to the presence of competent bedrock. Additionally, PWGC opened a monitoring well located upgradient of the subject property, likely associated with a former spill at the gas station, and found it was 18 feet deep with no groundwater present.

3.5 Soil Vapor Intrusion Investigation

To evaluate vapor intrusion at the subject property, a soil vapor intrusion investigation was performed at the subject property including the collection of nine sub-slab soil vapor samples from throughout the property, an ambient indoor air sample, and an outdoor air sample.

3.5.1 Sampling Protocol

Sampling was conducted in accordance with the NYSDOH “Guidance for Evaluating Soil Vapor Intrusion in New York State,” (NYSDOH Guidance) October 2006. Sub-slab samples and indoor and outdoor samples were collected into 2.7-liter Summa® vacuum canisters fitted with two-hour flow controllers. The samplers were batch certified clean by the laboratory. Proper quality assurance (QA) / quality control (QC) protocol was followed during the collection of soil gas samples to ensure that cross-contamination in the field did not occur. The samples were submitted to Alpha for analysis of VOCs by USEPA Method TO-15. The complete laboratory analytical report is included in **Appendix C**.

Temporary soil vapor probes were installed through the floor slab in accordance with procedures specified in the NYSDOH Guidance. Prior to sampling the integrity of the sampling port seals was tested using tracer gas analysis. The environment surrounding the seal was enriched with the tracer gas, helium, as readings were collected through the sampling probe with a portable helium detector. Tracer gas readings collected from each soil vapor probe were acceptable indicating the seals were intact and the sampling probes were acceptable for sample collection.

After the initial tracer gas test was performed, one to three volumes of the sample tubing was purged prior to collecting samples. Flow rates for both purging and collecting did not exceed 0.2 liters per minute to minimize potential indoor air infiltration during sampling.

The indoor air samples were collected concurrently with the sub-slab vapor samples. The samples were collected from a height representing the breathing zone (between 3 and 5 feet above the floor).

The wind direction at the time of sampling was toward the southeast, the outdoor air sample was collected at an upwind location in order to determine the potential contribution of outdoor air quality on the indoor air. The sample was collected from a height of five feet above the ground. Sampling personnel avoided lingering in the sampling area. The sample was collected concurrently with the sub-slab and indoor samples.

3.5.2 Analytical Results

The primary method for the evaluation of sub-slab vapor and indoor air data is the use of Soil Vapor / Indoor Air Matrices provided in the NYSDOH Guidance document. The matrices incorporate both

sub-slab vapor concentrations and their corresponding indoor air concentrations in a table to formulate an appropriate action for a sampling site. Matrices have been developed for 1,1-dichloroethene, cis-1,2-dichloroethene, vinyl chloride, tetrachloroethene, trichloroethene, 1,1,1-Trichloroethane, and carbon tetrachloride. Although matrices have not yet been developed for other compounds, consideration is given to the comparisons between the sub-slab vapor and indoor air concentrations to determine if vapor intrusion is occurring. Analytical results for the sub-slab vapor and indoor air samples are shown on **Table 6**.

Sub-slab soil vapor analytical results when compared to the indoor air sample using the NYSDOH Matrices yielded a decision of “No Further Action” for each compound at each sampling location. Elevated concentrations of 1,1,1-Trichloroethane, Trichloroethane, Tetrachloroethene, Xylene, and Toluene were detected in the soil vapor. However, these concentrations do not exceed established standards. Indoor Air Matrices are included in **Appendix D**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC conducted a Phase II ESA in August 2017 to address the REC that were identified in the Phase I ESA conducted by PWGC. The following activities were conducted during Phase II Activities:

- A Geophysical investigation was conducted in order to identify the presence and location of the suspected 550-gallon gasoline UST identified in the Sanborn Maps, and to trace piping associated with the seven floor drains, the two catch basins, and the oil/water separator. A subsurface anomaly was identified within the building that was identified as the possible location of the 550-gallon UST, as well as piping associated with a UST in the central northern section of the building.
- Subsurface soil investigation included the collection of 18 soil samples from 11 soil borings with focus on the suspected UST location and the “Hazardous Waste Material Storage” room. Groundwater could not be evaluated at the subject property. Refusal was encountered between 9 and 14 feet below grade at each of the eleven boring locations. A monitoring well located at a neighboring site was observed to be 18 feet deep with no water present. Benzo(a)pyrene, barium and mercury were detected at concentrations in exceedance of Commercial Use SCOs in four of the eleven boring locations in the 0-2 foot interval. No VOCs, PCBs or Pesticides were detected at concentrations exceeding the respective Commercial Use SCOs in each of the eighteen soil samples. The low levels of

metals exceeding the Commercial Use SCOs is typical of historic fill that was observed in the boring locations. Based on the results of the subsurface soil investigation, no further investigation is warranted at this time.

- Soil vapor investigation was conducted to determine if VOCs from the site and surrounding sites have impacted the soil vapor onsite. Sub-slab soil vapor analytical results, when compared to the indoor air sample using the NYSDOH Matrices yielded a decision of “No Further Action” for each compound at each sampling location. Detectable concentrations of 1,1,1-Trichloroethane, Trichloroethane, Tetrachloroethene, Xylene, and Toluene were detected in the soil vapor. However, these concentrations do not exceed established standards.

Based on these conclusions, PWGC recommends the following:

- The out-of-service AST and the oil-water separator should be properly closed and removed in accordance with local and state regulations during redevelopment activities.
- The UST in the central northern section of the building should be removed or abandoned as per state regulations.
- Based on the E-designation for the subject property, coordination with the New York City’s Mayors Office of Environmental Remediation will be necessary during construction activities. They should be consulted as the redevelopment plans are being generated.
- During construction activities, soils generated soils be managed in accordance with local and state regulations.

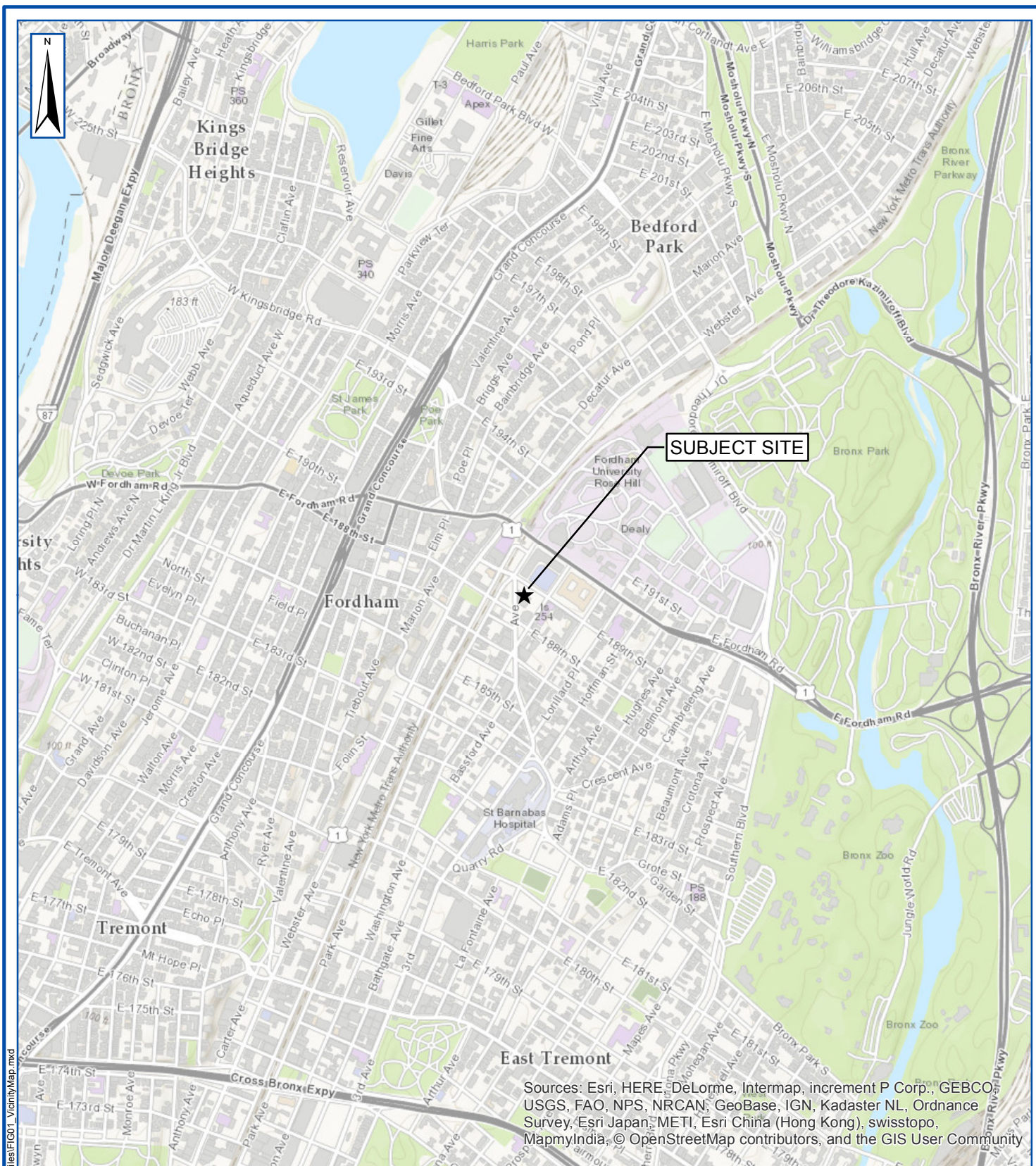
5.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections and examination of records prepared by others. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.

2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by PWGC.
4. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
5. This report is based, in part, on information supplied to PWGC by third-party sources. While efforts have been made to substantiate this third-party information, PWGC cannot attest to the completeness or accuracy of information provided by others.

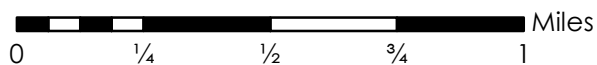
FIGURES



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

SUBJECT SITE VICINITY

4720 THIRD AVE
BRONX, NY



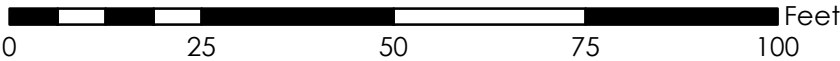
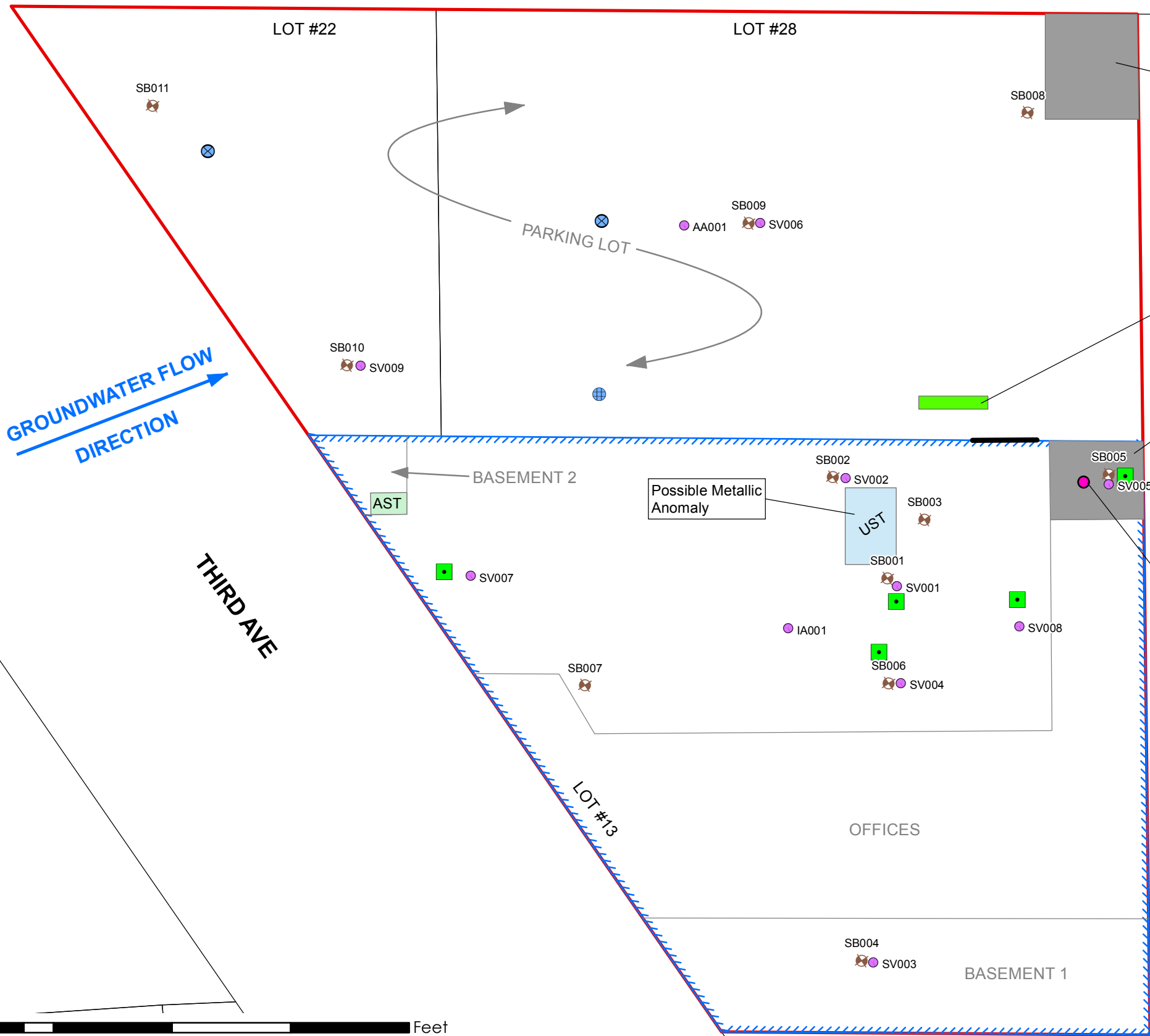
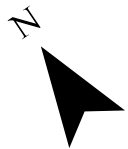
Project:	BSC1709
Date:	8/30/2017
Designed by:	HRM
Drawn by:	JCG
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Figure No:	1



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Document Path: G:\Projects\A-D\BSC\1709\mapfiles\FIG02_SitePlan_SamplingLocations.mxd



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Date:	9/11/2017	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	HRM

SITE PLAN

4720 THIRD AVE
BRONX, NY

FIGURE NO: 2

SHEET:

Vapor and Air Samples

Soil Boring

Structures

Floor Drain

Grated Cover

Solid Cover

AST

UST

Building Footprint

Site Boundary

TABLES

Table 1
Soil Analytical for Volatile Organics
4720 Third Ave, Bronx, NY

Client Sample ID:	NY-Commercial	S8001	S8002	S8003	S8004	S8005	S8005	S8006	S8006	S8007	S8007	S8008	S8008	S8009	S8009	S8010	S8010	S8011	S8011
Laboratory ID:	NY-Commercial	0-2'	0-2'	0-2'	0-2'	0-2'	7-9'	0-2'	7-9'	0-2'	7-9'	0-2'	7-9'	0-2'	12-14'	0-2'	12-14'	0-2'	12-14'
Sample Depth:	(mg/kg)	L1729575-01	L1729575-02	L1729575-03	L1729575-04	L1730588-01	L1730588-02	L1730588-03	L1730588-04	L1730588-05	L1730588-06	L1730588-07	L1730588-07	L1730588-10	L1730588-10	L1730588-11	L1730588-12	L1730588-13	L1730588-14
Sampling Date:		8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017
Volatile Organics by #260/5035																			
1,1,1,2-Tetrachloroethane	NS	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
1,1,1-Trichloroethane	500	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
1,1,2-Trichloroethane	NS	0.00078 U	0.0018 U	0.0017 U	0.0012 U	0.0018 U	0.0016 U	0.0015 U	0.0015 U	0.0014 U	0.0014 U	0.0013 U	0.0016 U	0.0025 U	0.0023 U	0.0015 U	0.0019 U	0.0025 U	0.0022 U
1,1-Dichloroethane	240	0.00078 U	0.0018 U	0.0017 U	0.0012 U	0.0018 U	0.0016 U	0.0015 U	0.0015 U	0.0014 U	0.0014 U	0.0013 U	0.0016 U	0.0025 U	0.0023 U	0.0015 U	0.0019 U	0.0025 U	0.0022 U
1,2-Dichloroethane	500	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
1,1-Dichloropropene	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,2,3-Trichlorobenzene	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0059 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,2,3-Trichloropropane	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
1,2,4,5-Tetramethylbenzene	NS	0.0021 U	0.0049 U	0.0046 U	0.0031 U	0.0049 U	0.0042 U	0.004 U	0.0039 U	0.0037 U	0.0038 U	0.0035 U	0.0042 U	0.0067 U	0.0062 U	0.0041 U	0.0051 U	0.0056 U	0.0058 U
1,2,4-Trichlorobenzene	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.013 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,2,4-Trimethylbenzene	190	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,2-Dibromo-3-chloropropane	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,2-Dibromomethane	NS	0.0021 U	0.0049 U	0.0046 U	0.0031 U	0.0049 U	0.0042 U	0.004 U	0.0039 U	0.0037 U	0.0038 U	0.0035 U	0.0042 U	0.0067 U	0.0062 U	0.0041 U	0.0051 U	0.0056 U	0.0058 U
1,2-Dichlorobenzene	500	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0002 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,2-Dichloroethane	30	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
1,2-Dichloropropane, Total	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
1,2-Dichloropropane	NS	0.0018 U	0.0043 U	0.004 U	0.0027 U	0.0043 U	0.0036 U	0.0035 U	0.0034 U	0.0032 U	0.0033 U	0.0031 U	0.0037 U	0.0059 U	0.0054 U	0.0036 U	0.0045 U	0.0058 U	0.005 U
1,3,5-Trimethylbenzene	190	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,3-Dichlorobenzene	280	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,3-Dichloropropane	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,3-Dichloropropane, Total	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
1,4-Dichlorobenzene	130	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
1,4-Dioxane	130	0.021 U	0.049 U	0.046 U	0.031 U	0.049 U	0.042 U	0.04 U	0.039 U	0.037 U	0.038 U	0.035 U	0.042 U	0.067 U	0.062 U	0.041 U	0.051 U	0.056 U	0.058 U
1,4-Dichloropropane	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
2-Butanone	500	0.0052 U	0.0091 U	0.0092 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
2-Hexanone	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
4-Methyl-2-pentanone	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
Acetone	500	0.0052 U	0.019 U	0.012 U	0.0019 U	0.01 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
Acrylonitrile	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
Benzene	44	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
Bromobenzene	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
Bromochloromethane	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
Bromodichloromethane	NS	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
Bromoform	NS	0.0021 U	0.0049 U	0.0046 U	0.0031 U	0.0049 U	0.0042 U	0.004 U	0.0039 U	0.0037 U	0.0038 U	0.0035 U	0.0042 U	0.0067 U	0.0062 U	0.0041 U	0.0051 U	0.0056 U	0.0058 U
Bromotetrafluoroethane	NS	0.001 U	0.0024 U	0.0023 U	0.0015 U	0.0025 U	0.0021 U	0.002 U	0.002 U	0.0018 U	0.0019 U	0.0018 U	0.0021 U	0.0034 U	0.0031 U	0.0021 U	0.0026 U	0.0033 U	0.0029 U
Carbon disulfide	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
Carbon tetrachloride	22	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
Chlorobenzene	500	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
Chloroethane	NS	0.001 U	0.0024 U	0.0023 U	0.0015 U	0.0025 U	0.0021 U	0.002 U	0.002 U	0.0018 U	0.0019 U	0.0018 U	0.0021 U	0.0034 U	0.0031 U	0.0021 U	0.0026 U	0.0033 U	0.0029 U
Chloroform	150	0.00078 U	0.0018 U	0.0017 U	0.0012 U	0.0018 U	0.0016 U	0.0015 U	0.0015 U	0.0014 U	0.0014 U	0.0013 U	0.0016 U	0.0025 U	0.0023 U	0.0015 U	0.0019 U	0.0025 U	0.0022 U
Chloromethane	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0084 U	0.0077 U	0.0052 U	0.0064 U	0.0083 U	0.0072 U
cis-1,2-Dichloroethene	500	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
trans-1,3-Dichloropropene	NS	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
Diisomethylchloromethane	NS	0.00052 U	0.0012 U	0.0012 U	0.00077 U	0.0012 U	0.001 U	0.001 U	0.00098 U	0.00092 U	0.00094 U	0.00089 U	0.001 U	0.0017 U	0.0015 U	0.001 U	0.0013 U	0.0017 U	0.0014 U
Dibromomethane	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
Dichlorodifluoromethane	NS	0.0052 U	0.012 U	0.012 U	0.0077 U	0.012 U	0.01 U	0.01 U	0.0098 U	0.0092 U	0.0094 U	0.0089 U	0.01 U	0.017 U	0.015 U	0.01 U	0.013 U	0.017 U	0.014 U
Ethyl ether	NS	0.0026 U	0.0061 U	0.0058 U	0.0039 U	0.0062 U	0.0052 U	0.005 U	0.0049 U	0.0046 U	0.0047 U								

Table 2
Soil Analytical for Semivolatile Organics
4720 Third Avenue, Bronx, NY

	NY Commercial	S8001	S8002	S8003	S8004	S8005	S8005	S8006	S8006	S8007	S8007	S8008	S8008	S8009	S8009	S8010	S8010	S8011	S8011
Laboratory ID:	(mg/kg)	L1729575-01	L1729575-02	L1729575-03	L1729575-04	L1730588-01	L1730588-02	L1730588-03	L1730588-04	L1730588-05	L1730588-06	L1730588-07	L1730588-07	L1730588-10	L1730588-10	L1730588-11	L1730588-12	L1730588-13	L1730588-14
Sampling Date:		8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017
Semivolatile Organics by GC/MS																			
1,2,4,5-Tetrachlorobenzene	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.35	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
1,2,4-Trichlorobenzene	NS	0.18	0.18	0.19	0.17	0.18	0.18	1.5	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
1,2-Dichlorobenzene	500	0.18	0.18	0.19	0.17	0.18	0.18	0.54	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
1,3-Dichlorobenzene	280	0.18	0.18	0.19	0.17	0.18	0.18	0.053	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
1,4-Dichlorobenzene	130	0.18	0.18	0.19	0.17	0.18	0.18	0.16	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2,4,5-Trichlorophenol	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2,4,6-Trichlorophenol	NS	0.11	0.11	0.11	0.1	0.11	0.11	0.11	0.1	0.1	0.1	0.12	0.1	0.11	0.11	0.43	0.1	0.45	0.1
2,4-Dichlorophenol	NS	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.15	0.16	0.15	0.18	0.16	0.16	0.17	0.64	0.15	0.68	0.16
2,4-Dinitrophenol	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2,4-Dinitrophenol	NS	0.87	0.88	0.91	0.83	0.86	0.87	0.86	0.82	0.85	0.81	0.94	0.84	0.88	0.92	3.4	0.82	3.6	0.83
2,4-Dinitrotoluene	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2,4-Dinitrotoluene	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2-Chloronaphthalene	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2-Chlorophenol	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2-Methylnaphthalene	NS	0.2	0.22	0.23	0.21	0.22	0.22	0.08	0.2	0.21	0.2	0.12	0.21	0.03	0.23	0.86	0.2	0.91	0.21
2-Methylphenol	500	0.18	0.18	0.19	0.17	0.18	0.18	0.14	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2-Nitroaniline	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
2-Nitrophenol	NS	0.39	0.39	0.41	0.38	0.39	0.39	0.38	0.37	0.38	0.36	0.42	0.38	0.39	0.41	1.5	0.37	1.6	0.37
1,1'-Dichlorobenzidine	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
1-Methylphenol/4-Methylphenol	500	0.053	0.26	0.27	0.25	0.033	0.26	0.23	0.25	0.25	0.24	0.28	0.25	0.26	0.27	1	0.25	1.1	0.25
1-Nitroaniline	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
1,6-Dinitro-o-cresol	NS	0.47	0.47	0.49	0.45	0.47	0.47	0.46	0.44	0.46	0.44	0.51	0.46	0.47	0.5	1.8	0.44	2	0.45
1-Bromophenyl phenyl ether	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
1-Chloroaniline	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
4-Chlorophenyl phenyl ether	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
4-Nitroaniline	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
4-Nitrophenol	NS	0.25	0.26	0.26	0.24	0.25	0.25	0.25	0.24	0.25	0.24	0.27	0.25	0.26	0.27	1	0.24	1	0.24
Acenaphthene	500	0.86	0.15	0.049	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.071	0.14	0.056	0.15	0.57	0.14	0.6	0.14
Acenaphthylene	500	0.13	0.17	0.1	0.14	0.14	0.14	0.14	0.14	0.092	0.13	0.13	0.14	0.2	0.15	0.57	0.14	0.6	0.14
Acetophenone	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Anthrane	NS	0.14	0.19	0.1	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.3	0.1	0.28	0.11	0.43	0.1	0.45	0.1
Benzo[a]anthracene	5.6	4.1	0.60	0.62	0.1	0.11	0.11	0.081	0.1	0.31	0.1	1.9	0.1	0.1	0.11	0.38	0.1	0.82	0.1
Benzo[a]pyrene	1	1.7	0.55	0.58	0.14	0.14	0.14	0.091	0.14	0.38	0.13	1.8	0.34	0.1	0.15	0.27	0.14	0.91	0.14
Benzo[b]fluoranthene	5.6	4.6	0.79	0.82	0.1	0.11	0.11	0.12	0.1	0.54	0.1	1.8	0.1	0.15	0.11	0.36	0.1	1.2	0.1
Benzo[b]perylene	500	2.6	0.37	0.43	0.14	0.14	0.14	0.069	0.14	0.27	0.13	0.94	0.14	0.69	0.15	0.19	0.14	0.55	0.14
Benzo[k]fluoranthene	56	1.6	0.27	0.19	0.1	0.11	0.11	0.084	0.1	0.17	0.1	0.61	0.1	0.44	0.11	0.12	0.1	0.35	0.1
Benzoic Acid	NS	0.39	0.33	0.61	0.56	0.58	0.59	0.58	0.55	0.57	0.54	0.63	0.57	0.59	0.62	2.3	0.55	2.4	0.56
Benzyl Alcohol	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Biphenyl	NS	0.864	0.42	0.43	0.4	0.41	0.41	0.41	0.39	0.4	0.38	0.44	0.4	0.42	0.43	1.6	0.39	1.7	0.39
Bi(2-chloroethoxy)methane	NS	0.2	0.2	0.2	0.19	0.19	0.2	0.19	0.18	0.19	0.18	0.21	0.19	0.2	0.21	0.77	0.18	0.82	0.19
Bi(2-chloroethyl)ether	NS	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.15	0.16	0.15	0.18	0.16	0.16	0.17	0.64	0.15	0.68	0.16
Bi(2-chloropropyl)ether	NS	0.22	0.22	0.23	0.21	0.22	0.22	0.21	0.2	0.21	0.2	0.23	0.21	0.22	0.23	0.86	0.2	0.91	0.21
Bi(2-ethylhexyl)phthalate	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Bis(4-benzyl)phthalate	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Carbazole	NS	0.56	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.092	0.18	0.091	0.19	0.71	0.17	0.76	0.17
Chrysene	56	3.9	0.61	0.59	0.1	0.11	0.11	0.07	0.1	0.31	0.1	2.3	0.1	0.96	0.11	0.26	0.1	0.73	0.1
2-n-butylphthalate	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Di-n-octylphthalate	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Dibenz[a,h]anthracene	0.56	0.5	0.09	0.083	0.1	0.11	0.11	0.11	0.1	0.067	0.1	0.29	0.1	0.18	0.11	0.43	0.1	0.45	0.1
Dibenzofuran	350	0.41	0.18	0.025	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.092	0.18	0.028	0.19	0.71	0.17	0.76	0.17
Dimethyl phthalate	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Dimethyl phthalate	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Fluoranthene	500	10	1	1.2	0.024	0.1	0.11	0.08	0.1	0.1	0.32	0.029	1	0.1	0.17	0.11	0.46	0.1	0.73
Fluorene	500	0.59	0.021	0.047	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.07	0.18	0.066	0.19	0.71	0.17	0.76	0.17
Hexachlorobenzene	6	0.11	0.11	0.11	0.1	0.11	0.11	0.11	0.1	0.1	0.1	0.12	0.1	0.11	0.11	0.43	0.1	0.45	0.1
Hexachlorobutadiene	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Hexachlorocyclopentadiene	NS	0.52	0.52	0.54	0.5	0.51	0.52	0.51	0.49	0.5	0.48	0.56	0.5	0.52	0.54	2	0.49	2.2	0.49
Hexachloronaphthalene	NS	0.14	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.16	0.14	0.14	0.15	0.57	0.14	0.6	0.14
Indeno[1,2,3-cd]pyrene	5.6	2.5	0.42	0.39	0.14	0.14	0.14	0.07	0.14	0.3	0.13	0.89	0.14	0.79	0.15	0.2	0.14	0.61	0.14
Isophorone	NS	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.15	0.16	0.15	0.18	0.16	0.16	0.17	0.64	0.15	0.68	0.16
n-Nitrosodimethylamine	NS	0.18	0.18	0.19	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.2	0.18	0.18	0.19	0.71	0.17	0.76	0.17
Naphthalene	500	0.28	0.048	0.1	0.17	0.18	0.18	0.081	0.17	0.18									

Table 3
Soil Analytical for Total Metals
4720 Third Ave, Bronx, NY

Client Sample ID:	NY-Commercial	S8001	S8002	S8003	S8004	S8005	S8005	S8006	S8006	S8007	S8007	S8008	S8008	S8009	S8009	S8010	S8010	S8011	S8011
Sample Depth:	0-2'	0-2'	0-2'	0-2'	0-2'	7-9'	7-9'	0-2'	7-9'	0-2'	7-9'	0-2'	12-14'	0-2'	12-14'	0-2'	12-14'	0-2'	12-14'
Laboratory ID:	(mg/kg)	L172575-01	L172575-02	L172575-03	L172575-04	L1730588-01	L1730588-02	L1730588-03	L1730588-04	L1730588-05	L1730588-06	L1730588-07	L1730588-07	L1730588-10	L1730588-10	L1730588-11	L1730588-12	L1730588-13	L1730588-14
Sampling Date:		8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017
Total Metals																			
Aluminum, Total	NS	5,900	5,610	83,300	5,360	8,710	12,300	5,480	2,560	8,840	2,490	11,600	5,190	5,610	4,550	3,410	1,470	7,470	2,400
Antimony, Total	NS	0.492	J	0.397	J	4.57	U	4.17	U	4.24	U	4.33	U	0.491	J	4.05	U	4.21	U
Arsenic, Total	16	8.11	6.91	9.24	1.24	1.5	1.26	9.01	0.809	U	2.25	0.528	J	12.1	0.899	6.1	0.917	U	10.3
Barium, Total	400	108	213	191	23.1	41.2	45.7	285	13.3	97.3	17.4	175	42.7	147	15.3	598	18.2	277	65.1
Beryllium, Total	590	0.19	J	0.186	J	0.356	J	0.334	J	0.348	J	0.234	J	0.254	J	0.162	J	0.219	J
Cadmium, Total	9.3	1.43	0.439	J	6.96	0.225	J	0.288	J	0.32	J	0.355	J	0.162	J	0.32	J	0.128	J
Calcium, Total	NS	34,500	19,400	29,400	107,000	1,400	1,650	33,700	160,000	44,700	147,000	13,000	130,000	19,500	217,000	124,000	216,000	27,600	200,000
Chromium, Total	NS	16.6	14.4	32.4	6.49	15.8	53.4	13	3.84	13.8	5.28	30.6	10.5	11.3	4.24	13.5	3.94	15.4	5.79
Cobalt, Total	NS	6.6	4.88	7.49	2.55	6.87	11.1	5.09	1.71	12.4	1.69	6.78	5.15	4.29	1.74	J	3.51	2.25	4.82
Copper, Total	270	30.4	22.4	48.8	5.43	15	7.5	32.3	2.29	21.7	3.84	40.2	14.2	53.4	4.8	41	2.32	55.4	10.9
Iron, Total	NS	18,600	9,180	33,300	8,090	14,800	19,400	9,120	5,820	14,400	5,030	18,000	10,500	10,200	7,890	23,500	4,120	14,500	5,720
Lead, Total	1000	175	260	382	19.8	5.09	5.39	976	3.2	78.4	8.02	415	3.8	414	2.44	J	327	2.32	J
Magnesium, Total	NS	9,970	6,620	15,200	57,700	2,440	5,350	11,700	85,900	20,100	79,800	5,710	61,100	4,950	134,000	46,600	127,000	11,000	115,000
Manganese, Total	10,000	160	128	404	242	330	345	155	259	826	208	238	441	160	297	293	219	538	356
Mercury, Total	2.8	0.21	0.84	0.51	0.12	0.02	J	0.07	U	0.22	0.07	U	0.13	0.66	0.89	0.07	U	0.07	U
Nickel, Total	310	13.4	9.54	19.6	4.11	13.3	21.9	12.4	3.11	13.1	3.06	15.8	13.9	12.3	3.39	11.7	3.45	11.8	3.9
Potassium, Total	NS	1,680	1,980	2,300	506	990	6190	1350	600	1400	446	892	1230	1180	336	515	592	1030	464
Selenium, Total	1,500	1.72	U	0.295	J	1.83	U	1.67	U	1.7	U	1.73	U	1.69	U	1.62	U	1.68	U
Silver, Total	1,500	0.862	U	0.844	U	0.914	U	0.835	U	0.848	U	0.866	U	0.846	U	0.809	U	0.842	U
Sodium, Total	NS	587	204	525	82.8	J	59.7	J	84.4	J	708	162	211	52.3	J	188	99.4	628	124
Thallium, Total	NS	1.72	U	1.69	U	1.83	U	1.67	U	1.7	U	1.73	U	1.69	U	1.62	U	1.68	U
Vanadium, Total	NS	21.3	18.7	23.6	8.47	23.6	42.2	20.2	6.34	35.3	6.87	32	13.9	22.6	7.48	34.2	5.37	22.5	7.96
Zinc, Total	10,000	324	182	287	26.8	26.2	51.5	268	12.7	61.9	14.2	212	35.8	212	8.55	760	23.6	185	64.4

Notes:
All units are mg/kg
Orange highlightd text denotes concentrations exceeding NY - Commercial Cleanup Objective
J - Indicates that the analyte was not detected above the laboratory MD
J - Indicates an estimated value
NS - No standard established
NA - Not analyzed

Table 4
Soil Analytical for Polychlorinated Biphenyls
4720 Third Avenue, Bronx, NY

Client Sample ID:			Dupe	S8001	S8002	S8003	S8004	S8005	S8005	S8006	S8006	S8007	S8007	S8008	S8008	S8009	S8009	S8010	S810	S8011	S8011
Sample Depth:	NY-Commercial			0-2'	0-2'	0-2'	0-2'	0-2'	7-9'	0-2'	7-9'	0-2'	7-9'	0-2'	12-14'	0-2'	12-14'	0-2'	12-14'	0-2'	12-14'
Laboratory ID:	(mg/kg)			L1729575-01	L1729575-02	L1729575-03	L1729575-04	L1730588-01	L1730588-02	L1730588-03	L1730588-04	L1730588-05	L1730588-06	L1730588-07	L1730588-07	L1730588-10	L1730588-10	L1730588-11	L1730588-12	L1730588-13	L1730588-14
Sampling Date:				8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017
Polychlorinated Biphenyls by GC																					
Aroclor 1016	1	0.0354	U	0.035	U	0.0368	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
Aroclor 1221	1	0.0354	U	0.035	U	0.0368	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
Aroclor 1232	1	0.0354	U	0.035	U	0.0368	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
Aroclor 1242	1	0.0354	U	0.035	U	0.0368	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
Aroclor 1248	1	0.0354	U	0.035	U	0.0521	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
Aroclor 1254	1	0.0354	U	0.035	U	0.0368	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
Aroclor 1260	1	0.0354	U	0.035	U	0.106	U	0.067	U	0.0341	U	0.0348	U	0.0356	U	0.0265	J	0.0341	U	0.0341	U
Aroclor 1262	1	0.0354	U	0.035	U	0.0368	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
Aroclor 1268	1	0.0354	U	0.035	U	0.0368	U	0.038	U	0.0341	U	0.0348	U	0.0356	U	0.0354	U	0.0341	U	0.0341	U
PCBs, Total	NS	0.0354	U	0.035	U	0.158	U	0.067	U	0.0341	U	0.0348	U	0.0356	U	0.0265	J	0.0341	U	0.0341	U

Notes:
All units are mg/kg
Orange highlightd text denotes concentrations exceeding NY - Commercial Cleanup Objectives
U - Indicates that the analyte was not detected above the laboratory MDL
J - Indicates an estimated value
NS - No standard established
NA - Not analyzed

Table 5
Soil Analytical for Organochlorine Pesticides
4720 Third Avenue, Bronx, NY

Client Sample ID:		Dupe	S8001	S8002	S8003	S8004	S8005	S8005	S8006	S8006	S8007	S8007	S8008	S8008	S8009	S8009	S8010	S810	S8011	S8011
Sample Depth:	NY-Commercial		0-2'	0-2'	0-2'	0-2'	0-2'	7-9'	0-2'	7-9'	0-2'	7-9'	0-2'	12-14'	0-2'	12-14'	0-2'	12-14'	0-2'	12-14'
Laboratory ID:	(mg/kg)		L1729575-01	L1729575-02	L1729575-03	L1729575-04	L1730588-01	L1730588-02	L1730588-03	L1730588-04	L1730588-05	L1730588-06	L1730588-07	L1730588-07	L1730588-10	L1730588-10	L1730588-11	L1730588-12	L1730588-13	L1730588-14
Sampling Date:			8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017
Organochlorine Pesticides by GC																				
4,4'-DDD	92	0.00174 U	0.0017 U	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00219 P	0.00162 U	0.00171 U	0.00163 U	0.0168	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
4,4'-DDE	62	0.00174 U	0.0017 U	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00171 U	0.00162 U	0.00171 U	0.00163 U	0.0328	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
4,4'-DDT	47	0.00326 U	0.0032 U	0.00331 U	0.00336 U	0.00307 U	0.00316 U	0.00326 U	0.012 P	0.00305 U	0.0032 U	0.00306 U	0.283	0.00306 U	0.00302 J	0.00346 U	0.00275 J	0.00306 U	0.00339 U	0.00339 U
Aldrin	0.68	0.00174 U	0.0017 U	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00171 U	0.00162 U	0.00171 U	0.00163 U	0.00185 U	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
Alpha-BHC	3.4	0.000724 U	0.00071 U	0.000735 U	0.000746 U	0.000682 U	0.000703 U	0.000724 U	0.000714 U	0.000677 U	0.000711 U	0.000679 U	0.000772 U	0.000679 U	0.000727 U	0.000769 U	0.000695 U	0.00068 U	0.000754 U	0.000754 U
Beta-BHC	3	0.00174 U	0.0017 U	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00171 U	0.00162 U	0.00171 U	0.00163 U	0.00185 U	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
Chlordane	NS	0.0141 U	0.0138 U	0.0143 U	0.0146 U	0.0133 U	0.0137 U	0.0141 U	0.0139 U	0.0132 U	0.0139 U	0.0132 U	0.015 U	0.0132 U	0.0142 U	0.015 U	0.0135 U	0.0133 U	0.0147 U	0.0147 U
cis-Chlordane	24	0.00217 U	0.00213 U	0.0022 U	0.00224 U	0.00204 U	0.00211 U	0.00217 U	0.00214 U	0.00203 U	0.00213 U	0.00204 U	0.00232 U	0.00204 U	0.00218 U	0.0023 U	0.00208 U	0.00204 U	0.00226 U	0.00226 U
Delta-BHC	500	0.00174 U	0.000428 J	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00171 U	0.00162 U	0.00171 U	0.00163 U	0.00185 U	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
Dieldrin	1.4	0.00108 U	0.00106 U	0.0011 U	0.00112 U	0.00102 U	0.00105 U	0.00109 U	0.00107 U	0.00102 U	0.00107 U	0.00102 U	0.00116 U	0.00102 U	0.00109 U	0.00115 U	0.00104 U	0.00102 U	0.00113 U	0.00113 U
Endosulfan I	200	0.00174 U	0.0017 U	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00171 U	0.00162 U	0.00171 U	0.00163 U	0.00185 U	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
Endosulfan II	200	0.00174 U	0.000926 JPI	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00171 U	0.00162 U	0.00171 U	0.00163 U	0.0191 PI	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
Endosulfan sulfate	200	0.000724 U	0.00147 PI	0.000735 U	0.000746 U	0.000682 U	0.000703 U	0.000724 U	0.000714 U	0.000677 U	0.000711 U	0.000679 U	0.000772 U	0.000679 U	0.000727 U	0.000769 U	0.000695 U	0.00068 U	0.000754 U	0.000754 U
Endrin	89	0.000724 U	0.00071 U	0.000735 U	0.000746 U	0.000682 U	0.000703 U	0.000724 U	0.000714 U	0.000677 U	0.000711 U	0.000679 U	0.000772 U	0.000679 U	0.000727 U	0.000769 U	0.000695 U	0.00068 U	0.000754 U	0.000754 U
Endrin aldehyde	NS	0.00217 U	0.00329 PI	0.00425 PI	0.00224 U	0.00204 U	0.00211 U	0.00217 U	0.00214 U	0.00203 U	0.00213 U	0.00204 U	0.00232 U	0.00204 U	0.00218 U	0.0023 U	0.00208 U	0.00204 U	0.00226 U	0.00226 U
Endrin ketone	NS	0.00174 U	0.0017 U	0.00176 U	0.00179 U	0.00164 U	0.00169 U	0.00174 U	0.00171 U	0.00162 U	0.00171 U	0.00163 U	0.00185 U	0.00163 U	0.00174 U	0.00184 U	0.00167 U	0.00163 U	0.00181 U	0.00181 U
Heptachlor	15	0.000869 U	0.000852 U	0.000882 U	0.000895 U	0.000818 U	0.000843 U	0.000869 U	0.000857 U	0.000812 U	0.000853 U	0.000815 U	0.000927 U	0.000815 U	0.000873 U	0.000922 U	0.000834 U	0.000816 U	0.000904 U	0.000904 U
Heptachlor epoxide	NS	0.00326 U	0.0032 U	0.00331 U	0.00336 U	0.00307 U	0.00316 U	0.00326 U	0.00321 U	0.00305 U	0.0032 U	0.00306 U	0.00347 U	0.00306 U	0.00327 U	0.00346 U	0.00313 U	0.00306 U	0.00339 U	0.00339 U
Lindane	9.2	0.000724 U	0.00071 U	0.000735 U	0.000746 U	0.000682 U	0.000703 U	0.000724 U	0.000714 U	0.000677 U	0.000711 U	0.000679 U	0.000772 U	0.000679 U	0.000727 U	0.000769 U	0.000695 U	0.00068 U	0.000754 U	0.000754 U
Methoxychlor	NS	0.00326 U	0.0108 PI	0.0145 PI	0.00336 U	0.00307 U	0.00316 U	0.00326 U	0.00321 U	0.00305 U	0.0032 U	0.00306 U	0.00347 U	0.00306 U	0.00327 U	0.00346 U	0.00313 U	0.00306 U	0.00339 U	0.00339 U
Toxaphene	NS	0.0326 U	0.032 U	0.0331 U	0.0336 U	0.0307 U	0.0316 U	0.0326 U	0.0321 U	0.0305 U	0.032 U	0.0306 U	0.0347 U	0.0306 U	0.0327 U	0.0346 U	0.0313 U	0.0306 U	0.0339 U	0.0339 U
trans-Chlordane	NS	0.00217 U	0.00213 U	0.0022 U	0.00224 U	0.00204 U	0.00211 U	0.00217 U	0.00214 U	0.00203 U	0.00213 U	0.00204 U	0.00232 U	0.00204 U	0.00218 U	0.0023 U	0.00208 U	0.00204 U	0.00226 U	0.00226 U

Notes:

All units are mg/kg

Orange highlightd text denotes concentrations exceeding NY - Commercial Cleanup Objectives

U - Indicates that the analyte was not detected above the laboratory MDL

J - Indicates an estimated value

NS - No standard established

NA - Not analyzed

Table 6
Vapor Analytical for Volatile Organics
4720 Third Avenue, Bronx, NY

Client Sample ID:		SV001	SV002	SV003	SV004	SV005	SV006	SV007	SV008	SV009	IA001	AA001
Sample Type:	NYS - AGV	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Indoor Air	Outdoor Air
Laboratory ID:		L1730591-01	L1730591-02	L1730591-03	L1730591-04	L1730591-05	L1730591-06	L1730591-07	L1730591-08	L1730591-09	L1730591-10	L1730591-11
Sampling Date:		8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017	8/29/2017
Volatile Organics in Air												
1,1,1-Trichloroethane	NS	37.1	11	6.44	26	2.18 U	3.43	4.71	15.3	2.18 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	1.37 U	1.37 U	1.37 U	6.87 U	2.75 U	2.75 U	1.37 U	2.75 U	2.75 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	1.09 U	1.09 U	1.09 U	5.46 U	2.18 U	2.18 U	1.09 U	2.18 U	2.18 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	0.809 U	0.809 U	0.809 U	4.05 U	1.62 U	1.62 U	0.809 U	1.62 U	1.62 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	0.793 U	0.793 U	0.793 U	3.96 U	1.59 U	1.59 U	0.793 U	1.59 U	1.59 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	1.48 U	1.48 U	1.48 U	7.42 U	2.97 U	2.97 U	1.48 U	2.97 U	2.97 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	4.3	5.16	5.85	18.9	18.9	14.4	5.65	20.8	9.78	0.983 U	0.983 U
1,2-Dibromoethane	NS	1.54 U	1.54 U	1.54 U	7.69 U	3.07 U	3.07 U	1.54 U	3.07 U	3.07 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	1.2 U	1.2 U	1.2 U	6.01 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	0.809 U	0.809 U	0.809 U	4.05 U	1.62 U	1.62 U	0.809 U	1.62 U	1.62 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	0.924 U	0.924 U	0.924 U	4.62 U	1.85 U	1.85 U	0.924 U	1.85 U	1.85 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	1.45	1.73	1.86	6.29	5.7	4.61	1.86	6.49	3.52	0.983 U	0.983 U
1,3-Butadiene	NS	0.442 U	0.442 U	0.442 U	2.88	13.6	7.57	0.442 U	1.11	2.65	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	1.2 U	1.2 U	1.2 U	6.01 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	1.2 U	1.2 U	1.2 U	6.01 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	1.2 U	1.2 U
1,4-Dioxane	NS	0.721 U	0.721 U	0.721 U	3.6 U	1.44 U	1.44 U	0.721 U	1.44 U	1.44 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	1.27	0.934 U	0.934 U	4.67 U	3.55	2.23	6.77	2.38	2.36	0.934 U	0.934 U
2-Butanone	NS	13.9	10.2	15.7	16.2	15.7	82	26.4	13.3	95.6	1.47 U	1.47 U
2-Hexanone	NS	6.23	5.25	7.05	4.75	6.56	16.4	8.52	7.54	17.6	0.82 U	0.82 U
3-Chloropropene	NS	0.626 U	0.626 U	0.626 U	3.13 U	1.25 U	1.25 U	0.626 U	1.25 U	1.25 U	0.626 U	0.626 U
4-Ethyltoluene	NS	0.983 U	0.983 U	1.2	5.7	5.6	4.66	0.983 U	6.19	3.44	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	2.05 U	2.05 U	2.05 U	10.2 U	4.1 U	4.1 U	2.05 U	4.1 U	4.1 U	2.05 U	2.05 U
Acetone	NS	9.38	5.91	9.88	67.5	63.7	442	39	29.5	382	8.01	5.91
Benzene	NS	0.639 U	0.639 U	0.639 U	8.82	8.56	7.99	0.639 U	4.34	4.6	0.639 U	0.639 U
Benzyl chloride	NS	1.04 U	1.04 U	1.04 U	5.18 U	2.07 U	2.07 U	1.04 U	2.07 U	2.07 U	1.04 U	1.04 U
Bromodichloromethane	NS	1.34 U	1.34 U	1.34 U	6.7 U	2.95	2.68 U	1.34 U	7.03	2.68 U	1.34 U	1.34 U
Bromoform	NS	2.07 U	2.07 U	2.07 U	10.3 U	4.14 U	4.14 U	2.07 U	4.14 U	4.14 U	2.07 U	2.07 U
Bromomethane	NS	0.777 U	0.777 U	0.777 U	3.88 U	1.55 U	1.55 U	0.777 U	1.55 U	1.55 U	0.777 U	0.777 U
Carbon disulfide	NS	3.89	0.623 U	0.623 U	17.9	3.15	4.3	0.623 U	1.93	3.43	0.623 U	0.623 U
Carbon tetrachloride	NS	1.26 U	1.26 U	1.26 U	6.29 U	2.52 U	2.52 U	1.26 U	2.52 U	2.52 U	0.421	0.44
Chlorobenzene	NS	0.921 U	0.921 U	0.921 U	4.61 U	1.84 U	1.84 U	0.921 U	1.84 U	1.84 U	0.921 U	0.921 U
Chloroethane	NS	0.528 U	0.528 U	0.528 U	2.64 U	1.06 U	1.06 U	0.528 U	1.06 U	1.06 U	0.528 U	0.528 U
Chloroform	NS	1.88	0.977 U	1.52	4.88 U	42.7	11.5	2.07	72.8	19.5	0.977 U	0.977 U
Chloromethane	NS	0.52	0.413 U	0.413 U	2.07 U	1.73	2.54	0.413 U	0.826 U	0.826 U	0.902	0.979
cis-1,2-Dichloroethene	NS	6.5	0.793 U	0.793 U	3.96 U	1.59 U	1.59 U	0.793 U	1.59 U	1.59 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	0.908 U	0.908 U	0.908 U	4.54 U	1.82 U	1.82 U	0.908 U	1.82 U	1.82 U	0.908 U	0.908 U
Cyclohexane	NS	0.688 U	0.688 U	0.957	3.44 U	1.41	4.16	0.878	1.38 U	1.69	0.688 U	0.688 U
Dibromochloromethane	NS	1.7 U	1.7 U	1.7 U	8.52 U	3.41 U	3.41 U	1.7 U	3.41 U	3.41 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	2.17	1.44	6.53	6.13	5.29	1.98 U	1.58	11.5	1.98 U	2.24	2
Ethanol	NS	9.42 U	9.42 U	9.42 U	47.1 U	18.8 U	18.8 U	9.42 U	18.8 U	18.8 U	9.42 U	9.42 U
Ethyl Acetate	NS	1.8 U	1.8 U	1.8 U	9.01 U	3.6 U	3.6 U	1.8 U	3.6 U	3.6 U	1.8 U	1.8 U
Ethylbenzene	NS	2.71	1.98	2.79	20.8	17.8	16.3	3.65	20	14.2	0.869 U	0.869 U
Freon-113	NS	14.3	3.4	2.31	7.82	54.3	3.07 U	1.53	3.62	3.07 U	1.53 U	1.53 U
Freon-114	NS	1.4 U	1.4 U	1.4 U	6.99 U	2.8 U	2.8 U	1.4 U	2.8 U	2.8 U	1.4 U	1.4 U
Heptane	NS	0.82 U	0.82 U	0.82 U	8.61	8.4	7.66	1.19	4.43	5.78	0.82 U	0.82 U
Hexachlorobutadiene	NS	2.13 U	2.13 U	2.13 U	10.7 U	4.27 U	4.27 U	2.13 U	4.27 U	4.27 U	2.13 U	2.13 U
Isopropanol	NS	1.23 U	1.23 U	1.23 U	6.15 U	2.46 U	2.46 U	1.23 U	2.46 U	2.46 U	1.23 U	1.23 U
Methyl tert butyl ether	NS	0.721 U	0.721 U	0.721 U	3.61 U	1.44 U	1.44 U	0.721 U	1.44 U	1.44 U	0.721 U	0.721 U
Methylene chloride	60	1.74 U	1.74 U	1.74 U	8.69 U	3.47 U	3.47 U	1.74 U	3.47 U	3.47 U	1.74 U	1.74 U
n-Hexane	NS	0.705 U	0.705 U	1.43	10.7	10.2	10.1	0.705 U	2.58	15.8	0.705 U	0.705 U
o-Xylene	NS	3.92	3.35	4.26	28.1	26.1	23.4	5.78	29.9	20	0.869 U	0.869 U
p/m-Xylene	NS	9.95	8.17	11	86	76.9	70.8	13.9	86.9	59.9	1.74 U	1.74 U
Styrene	NS	2.27	1.73	3.3	4.26 U	2.08	2.06	2.79	3.01	1.81	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	5.15	3.03	3.06	40.6	20.5	25.8	16	32.4	31.5	1.52 U	1.52 U
Tetrachloroethene	30	214	54.5	235	197	45.6	3.12	55.2	241	39.1	0.461	0.38
Tetrahydrofuran	NS	1.47 U	1.47 U	1.47 U	7.37 U	2.95 U	2.95 U	1.47 U	2.95 U	2.95 U	1.47 U	1.47 U
Toluene	NS	6.93	5.54	7.39	72.4	61.8	55	11.5	61.8	49.7	1.39	1.21
trans-1,2-Dichloroethene	NS	0.868	0.793 U	0.793 U	3.96 U	1.59 U	1.59 U	0.793 U	1.59 U	1.59 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	0.908 U	0.908 U	0.908 U	4.54 U	1.82 U	1.82 U	0.908 U	1.82 U	1.82 U	0.908 U	0.908 U
Trichloroethene	2	45.9	3.12	1.07 U	15.9	2.15 U	2.15 U	1.07 U	4.3	2.15 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	3.57	2.22	3.05	5.62 U	4.97	2.25 U	1.72	7.59	2.46	1.16	1.35
Vinyl bromide	NS	0.874 U	0.874 U	0.874 U	4.37 U	1.75 U	1.75 U	0.874 U	1.75 U	1.75 U	0.874 U	0.874 U
Vinyl chloride	NS	0.511 U	0.511 U	0.511 U	2.56 U	1.02 U	1.02 U	0.511 U	1.02 U	1.02 U	0.051 U	0.051 U

Notes:
All units are ug/m3
U - Indicates that the analyte was not detected above the laboratory MDL
J - Indicates an estimated value
NS - No standard established
NA - Not analyzed
Bolded indicates compound with NYSDOH Matrices is above MDL
Bolded/Colored Compounds indicates NYSDOH Matrix is associated with contaminant

APPENDIX A

Geophysical Report



GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:

**4720 3rd Avenue
Bronx, New York**

PREPARED FOR:

**PW Grosser

630 Johnson Avenue, Suite 7
Bohemia, New York**

PREPARED BY:

Alex Craig
Delta Geophysics Inc.
738 Front Street
Catasauqua, PA18032

August 24, 2017

Delta Geophysics, Inc. (Delta) is pleased to provide the results of the geophysical survey conducted at 4720 3rd Avenue, Bronx, New York.

1.0 INTRODUCTION

On August 21st and 22nd, 2017 Delta Geophysics personnel performed a limited geophysical investigation at 4720 3rd Avenue, Bronx, New York. The subject property currently contains a commercial garage that was formerly operated by Sears, however it is currently unoccupied. The site is believed to have contained two underground storage tanks (UST); a 550 gallon and a 2,000 gallon. This survey will encompass the entire site for any potential subsurface anomalous feature. Subsurface conditions were unknown at the time of survey; surface conditions consist of asphalt and reinforced concrete.

2.0 SCOPE OF WORK

The survey was conducted to investigate the subsurface for any anomalous features consistent with a UST and/or former excavation. A secondary objective is to investigate the subsurface for all floor drain piping, along with anomalies consistent with underground utilities and/or any other anomalous features within close proximity to any potential proposed boring locations. All findings would be marked and conveyed to PW Grosser's on-site field representative.

3.0 METHODOLOGY

Selection of survey equipment is dependent site conditions and project objectives. For this project the technician utilized the following equipment to survey the area of concern:

- Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.
- Radiodetection RD7000 precision utility locator.
- Fisher M-Scope TW-6 pipe and cable locator.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The GSSI SIR-3000 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The 400 MHz antenna can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, or other highly conductive materials significantly reduces GPR depth of penetration.

The GPR was configured to transmit to a depth of approximately 10 feet below the subsurface, but actual signal penetration was limited to approximately 1-3 feet below ground surface (bgs). The limiting factor was signal attenuation from near surface soils.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

The TW-6 is designed to find pipes, cables and other metallic objects such as underground storage tanks. One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

4.0 SURVEY FINDINGS

All accessible areas within PW Grosser's specified location were examined during this survey. The survey site was examined with the GPR and TW-6 for any potential anomalies and then surveyed with the RD7000 for potential subsurface utilities. Delta detected a potential UST, along with various subsurface utilities.

Potential UST (550 gallon)

Delta personnel utilized the GPR to detect an anomalous feature within the northeastern portion of the subject building. GPR transects over the feature displayed a cylindrical shaped feature, consistent with other potential USTs. Two cut pipes were visually detected with the proximity of the feature; these lines were traced using the RD7000 to the anomalous feature. The approximate size of the anomaly is 6.5 feet by 10.5 feet.

2,000 Gallon AST

After gaining access to the northern basement of the subject building, Delta personnel was able to visual detect an above ground storage tank approximately 2,000 gallons in size.

Utility Survey

Delta performed a utility survey throughout the survey area. The following utilities were identified: electric, sanitary sewer, storm sewer and unknown piping. All utilities were marked onsite with appropriate colors; unknown features were marked in pink paint.

Site map (082417) is included with all located subsurface features.

5.0 SURVEY LIMITATIONS

GPR depth of penetration was limited to approximately 0-3 feet bgs. The limiting factor was due to conductive soils. The TW-6 could not be utilized within close proximity to exterior building walls and reinforced concrete. The TW-6 was also limited within the building due to reinforced concrete.

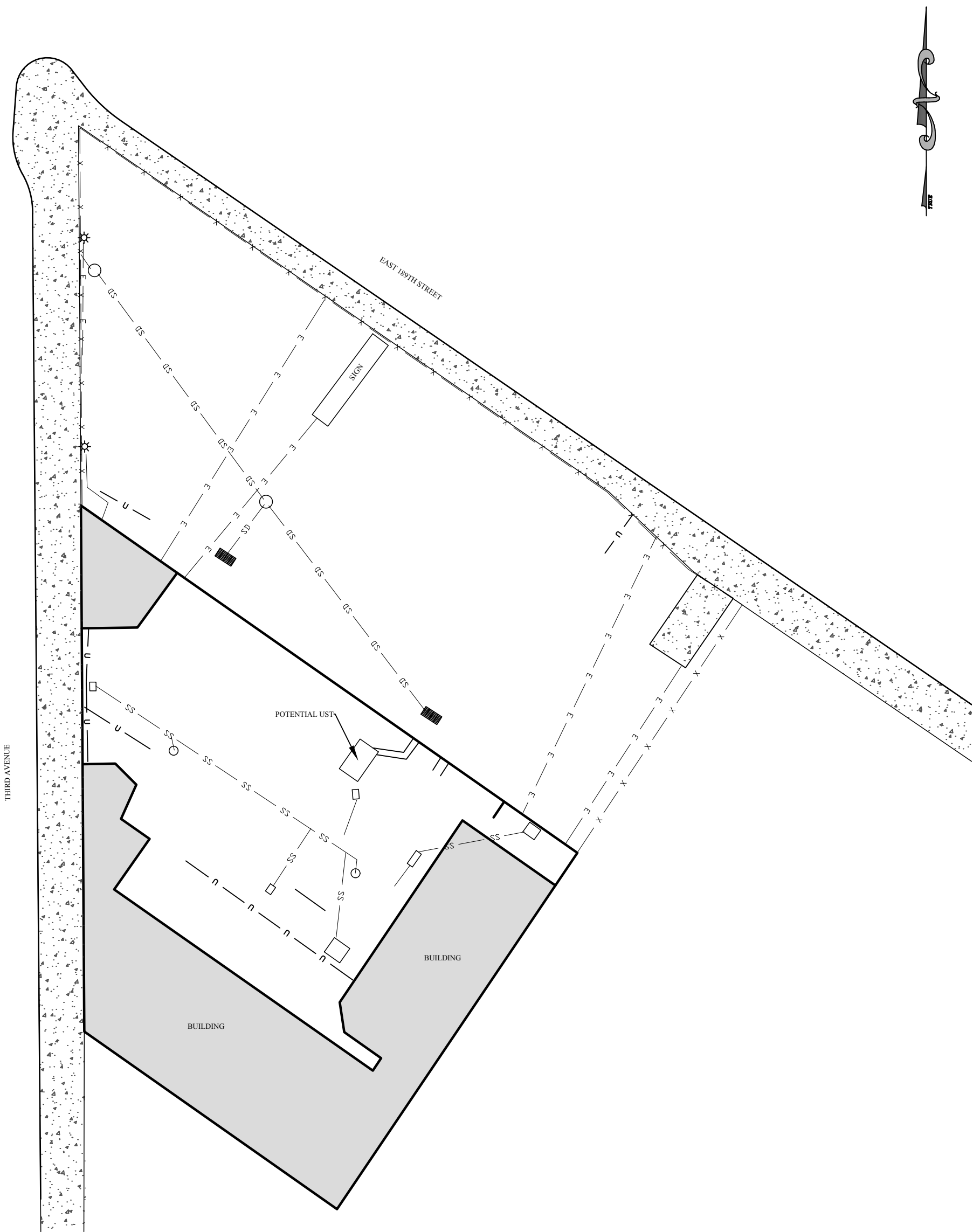
6.0 WARRANTIES AND DISCLAIMER

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically Delta's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. Delta represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract Delta has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Delta and its client and serves as the basis upon which this report was prepared. Because of the importance of the understandings between Delta and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Delta.

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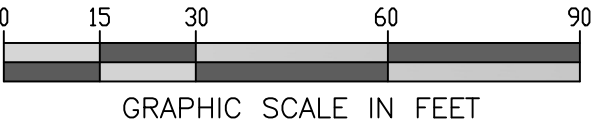


NOTES:

This site plan was produced from data positioned by differential GPS measurements collected in the field. Due to the errors normally present in DGPS data, this document is not intended or represented to be of survey precision. Caution should be used in all field measurements based on this site plan.

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity of any anomalies indicated in this document. The absence of detected signatures does not preclude the possibility that targets exist. The geophysical data and results presented in this site plan are based upon the application of scientific principles and professional judgements to certain facts with resultant subjective interpretations. Professional judgements expressed herein are based on the facts currently available within the limits of the existing data, scope of work, budget, and schedule.

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LEGEND	
	UTILITY POLE
	LIGHT
	STORM DRAIN
	ELECTRIC
	GAS
	TELECOMMUNICATION
	SANITARY SEWER
	WATER
	UNKNOWN UTILITY
	FENCE

DATE 08/24/17
SCALE 1" = 30'
DWG NO. 082417
SHT NO. 1 OF 1
PROJECT. 082217

GEOPHYSICAL INVESTIGATION
4720 THIRD AVENUE, BRONX, NEW YORK
FOR
PW GROSSER

DELTA Geophysics Inc.
738 Front Street, Catasauqua, PA 18032
Phone: (610) 231-3701

APPENDIX B

Soil Boring Logs



PWGC

Strategic Environmental and Engineering Solutions

P.W. GROSSER CONSULTING, INC.

630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Borehole ID:	SB001	Logged By:	Jacob Gardner
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/22	Completion Date:	8/22
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Concrete with broken up pieces of rock.	
2	5ft	3ft	SB-001		Dark brown mixed fine sands and medium sands (SM)	
4					Concrete with broken up pieces of rock.	
6		1ft			Fine and medium clayey sands. Tightly compacted. Some broken pieces of brick (SC)	
8	5ft				Medium and fine grain sands with some silt (SM)	0 ppm
10		2ft	SB-001			
12					Refusal hit at 12'	
14						

Groundwater not encountered

8/22



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E-mail: INFO@PWGROSSER.COM

Borehole ID:	SB002	Logged By:	Jacob Gardner
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/22	Completion Date:	8/22
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0						
3ft			SB-002		Concrete with broken up pieces of rock. Fill material	
5ft						
6ft						
1ft						
5ft					Fine and medium sands with some silts (SM)	0 ppm
8ft						
10ft						
12ft						
4ft			SB-002		Fine and medium sands with some silts. Some reddish and black sands mixed in with light brown sands (SM)	
5ft						
14ft					Refusal at 14'	

Groundwater not encountered

8/22



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E-mail: INFO@PWGROSSER.COM

Borehole ID:	SB003	Logged By:	Jacob Gardner
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/22	Completion Date:	8/22
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Concrete with broken up pieces of rock.	
2	5ft	3ft	SB-003		Medium and fine grain sands with some silt (SM)	
6	5ft	3.5ft			Medium and fine sands with some coarse sands (SM)	0 ppm
10		1.5ft	SB-003		Medium and fine sands with some coarse sands (SM)	
12	5ft				Redusal at 12'	
14						

Groundwater not encountered

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Borehole ID:	SB004	Logged By:	Jacob Gardner
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/22	Completion Date:	8/22
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0						
2	5ft	3ft	SB-004		Medium and fine sands with some coarse sands (SM)	0 ppm
4						
6						
8						
10						
12						
14						

Groundwater not encountered

8/22



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Borehole ID:	SB005	Logged By:	Jacob Gardner
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/22	Completion Date:	8/22
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Concrete with broken up pieces of rock.	
2	5ft	2ft	SB-005			2.1 ppm
4						
6	5ft	2ft			Medium and fine grain sands with some silt (SM)	3.4 ppm
8			SB-005			
10						1.6 ppm
12						
14						

Groundwater not encountered

8/22



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Borehole ID:	SB006	Logged By:	Nick Russell
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/29	Completion Date:	8/29
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0						
2	5ft	4ft	SB-006		Medium and fine grain sands with some silt (SM)	0.8 ppm
4					Medium and fine grain sands with some silt (SM)	10.2 ppm
6					Medium and fine sands with some coarse sands. Some staining (SM)	4.4 ppm
8	5ft	4ft	SB-006		Medium and fine grain sands with some silt (SM)	5.2 ppm
10						
12					Refusal at 9'	
14						

Groundwater not encountered

8/29



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Borehole ID:	SB007	Logged By:	Nick Russell
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/29	Completion Date:	8/29
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Medium and fine grain sands with some silt (SM)	
2	3.5ft		SB-007		Medium and fine sands with some coarse sands (SM)	0.9 ppm
4						
6	1ft				Medium and fine grain sands with some silt (SM)	
8	5ft		SB-007			0.0 ppm
10						
12					Refusal at 9'	
14						

Groundwater not encountered

8/29



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Borehole ID:	SB008	Logged By:	Nick Russell
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/29	Completion Date:	8/29
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Concrete with broken up pieces of rock.	
2.5ft			SB-008			0 ppm
5ft					Fine and medium clayey sands. Tightly compacted. Some broken pieces of brick (SC)	2.3 ppm
2.5ft						6.8 ppm
5ft					Medium and fine grain sands with some silt (SM)	
2.5ft						0 ppm
5ft			SB-008		Medium and fine sands with some coarse sands (SM)	
14'					Refusal at 14'	

Groundwater not encountered

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Borehole ID:	SB009	Logged By:	Nick Russell
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/29	Completion Date:	8/29
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Concrete with broken up pieces of rock.	
2	5ft	2ft	SB-009			
4						
6	5ft	1ft			Medium and fine grain sands with some silt (SM)	0 ppm
8						
10						
12	5ft	3ft			Medium and fine sands with some coarse sands (SM)	
14			SB-009			
					Refusal at 14'	

Groundwater not encountered

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Borehole ID:	SB010	Logged By:	Nick Russell
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/29	Completion Date:	8/29
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Concrete with broken up pieces of rock.	
2	5ft	2ft	SB-010		Medium and fine grain sands with some silt. Some staining and odor (SM)	0 ppm
6	5ft	3ft				1.2 ppm
8					Medium and fine sands with some coarse sands (SM)	1.5 ppm
10						
12	5ft	2.5ft	SB-010		Medium and fine grain sands with some silt (SM)	1.8 ppm
14					Refusal at 14'	

Groundwater not encountered

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Borehole ID:	SB011	Logged By:	Nick Russell
Sample Location:	4720 Third Ave. Bronx	Project Manager:	Heather Moran-Botta
Project Name:	BSC1709	Project Number:	BSC1709
Drilling Contractor:	Costal Environmental	Drilling Method:	Geoprobe
Driller Name:	Thomas Fitzpatrick	Sampling Method:	Closed Piston
Borehole Diameter:	2"	Borehole Depth:	15
Start Time:		Completion Time:	
Start Date:	8/29	Completion Date:	8/29
Latitude:		Longitude:	

Depth(ft)	Core Length	Recovery	Sample Zone	Lithology	Lithologic Description	PID Readings
0					Concrete with broken up pieces of rock.	
2	5ft	2ft	SB-011			
4						
6	5ft	1ft			Medium and fine grain sands with some silt (SM)	0 ppm
8						
10						
12	5ft	2ft				
14			SB-011			
					Refusal at 14'	

Groundwater not encountered

8/29

APPENDIX C

Laboratory Analytical Reports



ANALYTICAL REPORT

Lab Number:	L1729575
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Heather Moran-Botta
Phone:	(631) 589-6353
Project Name:	BSC1709
Project Number:	BSC1709
Report Date:	08/31/17

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), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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



Project Name: BSC1709
Project Number: BSC1709

Lab Number: L1729575
Report Date: 08/31/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1729575-01	SB001_0-2	SOIL	4720 THIRD AVE., BRONX	08/22/17 09:00	08/23/17
L1729575-02	SB001_10-12	SOIL	4720 THIRD AVE., BRONX	08/22/17 09:10	08/23/17
L1729575-03	SB002_0-2	SOIL	4720 THIRD AVE., BRONX	08/22/17 09:30	08/23/17
L1729575-04	SB002_12-14	SOIL	4720 THIRD AVE., BRONX	08/22/17 09:50	08/23/17
L1729575-05	SB003_0-2	SOIL	4720 THIRD AVE., BRONX	08/22/17 09:55	08/23/17
L1729575-06	SB003_10-12	SOIL	4720 THIRD AVE., BRONX	08/22/17 10:10	08/23/17
L1729575-07	SB004_0-2	SOIL	4720 THIRD AVE., BRONX	08/22/17 11:20	08/23/17
L1729575-08	SB004_2-3	SOIL	4720 THIRD AVE., BRONX	08/22/17 11:30	08/23/17

Project Name: BSC1709**Lab Number:** L1729575**Project Number:** BSC1709**Report Date:** 08/31/17

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

HOLD POLICY

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

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

Project Name: BSC1709**Lab Number:** L1729575**Project Number:** BSC1709**Report Date:** 08/31/17**Case Narrative (continued)****Report Submission**

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

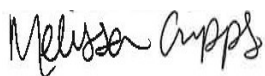
Sample Receipt

L1729575-01, -03, -05 and -07: At the client's request, the samples were analyzed for the analyses listed on the chain of custody.

Total Metals

L1729575-01, -03, -05 and -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Melissa Cripps**Title:** Technical Director/Representative**Date:** 08/31/17

ORGANICS

VOLATILES

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01
 Client ID: SB001_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:00
 Date Received: 08/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/31/17 12:11
 Analyst: MV
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	0.86	1
1,1-Dichloroethane	ND		ug/kg	0.78	0.14	1
Chloroform	ND		ug/kg	0.78	0.19	1
Carbon tetrachloride	ND		ug/kg	0.52	0.18	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.12	1
Dibromochloromethane	ND		ug/kg	0.52	0.09	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	0.16	1
Tetrachloroethene	0.94		ug/kg	0.52	0.16	1
Chlorobenzene	ND		ug/kg	0.52	0.18	1
Trichlorofluoromethane	ND		ug/kg	2.6	0.22	1
1,2-Dichloroethane	ND		ug/kg	0.52	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.52	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.11	1
1,1-Dichloropropene	ND		ug/kg	2.6	0.17	1
Bromoform	ND		ug/kg	2.1	0.12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.16	1
Benzene	ND		ug/kg	0.52	0.10	1
Toluene	ND		ug/kg	0.78	0.10	1
Ethylbenzene	ND		ug/kg	0.52	0.09	1
Chloromethane	ND		ug/kg	2.6	0.23	1
Bromomethane	ND		ug/kg	1.0	0.18	1
Vinyl chloride	ND		ug/kg	1.0	0.16	1
Chloroethane	ND		ug/kg	1.0	0.16	1
1,1-Dichloroethene	ND		ug/kg	0.52	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	0.78	0.12	1
Trichloroethene	ND		ug/kg	0.52	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.10	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01

Date Collected: 08/22/17 09:00

Client ID: SB001_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.10	1
Methyl tert butyl ether	ND		ug/kg	1.0	0.08	1
p/m-Xylene	ND		ug/kg	1.0	0.18	1
o-Xylene	ND		ug/kg	1.0	0.18	1
Xylenes, Total	ND		ug/kg	1.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	0.52	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	0.52	0.12	1
Dibromomethane	ND		ug/kg	5.2	0.12	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	5.2	0.26	1
Acetone	ND		ug/kg	5.2	1.2	1
Carbon disulfide	ND		ug/kg	5.2	0.57	1
2-Butanone	ND		ug/kg	5.2	0.36	1
Vinyl acetate	ND		ug/kg	5.2	0.08	1
4-Methyl-2-pentanone	ND		ug/kg	5.2	0.13	1
1,2,3-Trichloropropane	ND		ug/kg	5.2	0.09	1
2-Hexanone	ND		ug/kg	5.2	0.35	1
Bromochloromethane	ND		ug/kg	2.6	0.19	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.24	1
1,2-Dibromoethane	ND		ug/kg	2.1	0.10	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.10	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.11	1
n-Butylbenzene	ND		ug/kg	0.52	0.12	1
sec-Butylbenzene	ND		ug/kg	0.52	0.11	1
tert-Butylbenzene	ND		ug/kg	2.6	0.13	1
o-Chlorotoluene	ND		ug/kg	2.6	0.12	1
p-Chlorotoluene	ND		ug/kg	2.6	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.21	1
Hexachlorobutadiene	ND		ug/kg	2.6	0.18	1
Isopropylbenzene	ND		ug/kg	0.52	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.52	0.10	1
Naphthalene	ND		ug/kg	2.6	0.07	1
Acrylonitrile	ND		ug/kg	5.2	0.27	1
n-Propylbenzene	ND		ug/kg	0.52	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.11	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.08	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01

Date Collected: 08/22/17 09:00

Client ID: SB001_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.10	1
1,4-Dioxane	ND		ug/kg	21	7.5	1
p-Diethylbenzene	ND		ug/kg	2.1	2.1	1
p-Ethyltoluene	ND		ug/kg	2.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.08	1
Ethyl ether	ND		ug/kg	2.6	0.14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.6	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	91		70-130

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03
 Client ID: SB002_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:30
 Date Received: 08/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/31/17 12:37
 Analyst: JC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.43	1
Bromodichloromethane	ND		ug/kg	1.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.26	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.40	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.24	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.54	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.39	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.30	1
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03

Date Collected: 08/22/17 09:30

Client ID: SB002_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.19	1
p/m-Xylene	ND		ug/kg	2.4	0.43	1
o-Xylene	ND		ug/kg	2.4	0.41	1
Xylenes, Total	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.30	1
Dibromomethane	ND		ug/kg	12	0.29	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	19		ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	3.1	J	ug/kg	12	0.85	1
Vinyl acetate	ND		ug/kg	12	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.22	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.1	0.44	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.55	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.27	1
tert-Butylbenzene	ND		ug/kg	6.1	0.30	1
o-Chlorotoluene	ND		ug/kg	6.1	0.27	1
p-Chlorotoluene	ND		ug/kg	6.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.25	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.20	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03

Date Collected: 08/22/17 09:30

Client ID: SB002_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.23	1
1,4-Dioxane	ND		ug/kg	49	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	4.9	1
p-Ethyltoluene	ND		ug/kg	4.9	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.19	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	90		70-130

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05
 Client ID: SB003_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:55
 Date Received: 08/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/31/17 13:03
 Analyst: JC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.40	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	0.81	J	ug/kg	1.2	0.35	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.40	1
Bromodichloromethane	ND		ug/kg	1.2	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.24	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.38	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.34	1
Benzene	ND		ug/kg	1.2	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Chloromethane	ND		ug/kg	5.8	0.50	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.28	1
Trichloroethene	ND		ug/kg	1.2	0.35	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05

Date Collected: 08/22/17 09:55

Client ID: SB003_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.18	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.39	1
Xylenes, Total	ND		ug/kg	2.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.39	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.28	1
Dibromomethane	ND		ug/kg	12	0.28	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	12	0.58	1
Acetone	ND		ug/kg	12	2.6	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.79	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.41	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.52	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.23	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.26	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	5.8	0.28	1
o-Chlorotoluene	ND		ug/kg	5.8	0.25	1
p-Chlorotoluene	ND		ug/kg	5.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.40	1
Isopropylbenzene	ND		ug/kg	1.2	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.59	1
n-Propylbenzene	ND		ug/kg	1.2	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.18	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05

Date Collected: 08/22/17 09:55

Client ID: SB003_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.21	1
1,4-Dioxane	ND		ug/kg	46	16.	1
p-Diethylbenzene	ND		ug/kg	4.6	4.6	1
p-Ethyltoluene	ND		ug/kg	4.6	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.18	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07
 Client ID: SB004_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 11:20
 Date Received: 08/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/31/17 13:29
 Analyst: PK
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.21	1
Chloroform	ND		ug/kg	1.2	0.28	1
Carbon tetrachloride	ND		ug/kg	0.77	0.27	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.18	1
Dibromochloromethane	ND		ug/kg	0.77	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	ND		ug/kg	0.77	0.23	1
Chlorobenzene	ND		ug/kg	0.77	0.27	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.77	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.27	1
Bromodichloromethane	ND		ug/kg	0.77	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	0.16	1
1,1-Dichloropropene	ND		ug/kg	3.9	0.25	1
Bromoform	ND		ug/kg	3.1	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.23	1
Benzene	ND		ug/kg	0.77	0.15	1
Toluene	ND		ug/kg	1.2	0.15	1
Ethylbenzene	ND		ug/kg	0.77	0.13	1
Chloromethane	ND		ug/kg	3.9	0.34	1
Bromomethane	ND		ug/kg	1.5	0.26	1
Vinyl chloride	ND		ug/kg	1.5	0.24	1
Chloroethane	ND		ug/kg	1.5	0.24	1
1,1-Dichloroethene	ND		ug/kg	0.77	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Trichloroethene	ND		ug/kg	0.77	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.14	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07

Date Collected: 08/22/17 11:20

Client ID: SB004_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.12	1
p/m-Xylene	ND		ug/kg	1.5	0.27	1
o-Xylene	ND		ug/kg	1.5	0.26	1
Xylenes, Total	ND		ug/kg	1.5	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	0.77	0.19	1
Dibromomethane	ND		ug/kg	7.7	0.18	1
Styrene	ND		ug/kg	1.5	0.31	1
Dichlorodifluoromethane	ND		ug/kg	7.7	0.39	1
Acetone	1.9	J	ug/kg	7.7	1.8	1
Carbon disulfide	ND		ug/kg	7.7	0.85	1
2-Butanone	ND		ug/kg	7.7	0.53	1
Vinyl acetate	ND		ug/kg	7.7	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	0.19	1
1,2,3-Trichloropropane	ND		ug/kg	7.7	0.14	1
2-Hexanone	ND		ug/kg	7.7	0.51	1
Bromochloromethane	ND		ug/kg	3.9	0.28	1
2,2-Dichloropropane	ND		ug/kg	3.9	0.35	1
1,2-Dibromoethane	ND		ug/kg	3.1	0.15	1
1,3-Dichloropropane	ND		ug/kg	3.9	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	0.24	1
Bromobenzene	ND		ug/kg	3.9	0.17	1
n-Butylbenzene	ND		ug/kg	0.77	0.18	1
sec-Butylbenzene	ND		ug/kg	0.77	0.17	1
tert-Butylbenzene	ND		ug/kg	3.9	0.19	1
o-Chlorotoluene	ND		ug/kg	3.9	0.17	1
p-Chlorotoluene	ND		ug/kg	3.9	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	0.30	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.27	1
Isopropylbenzene	ND		ug/kg	0.77	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.77	0.16	1
Naphthalene	ND		ug/kg	3.9	0.11	1
Acrylonitrile	ND		ug/kg	7.7	0.40	1
n-Propylbenzene	ND		ug/kg	0.77	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	0.12	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07

Date Collected: 08/22/17 11:20

Client ID: SB004_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	0.14	1
1,4-Dioxane	ND		ug/kg	31	11.	1
p-Diethylbenzene	ND		ug/kg	3.1	3.1	1
p-Ethyltoluene	ND		ug/kg	3.1	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.12	1
Ethyl ether	ND		ug/kg	3.9	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.9	0.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/17 08:42
 Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1037368-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/17 08:42
 Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1037368-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/17 08:42
 Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1037368-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1037368-3 WG1037368-4								
Methylene chloride	101		97		70-130	4		30
1,1-Dichloroethane	90		85		70-130	6		30
Chloroform	99		96		70-130	3		30
Carbon tetrachloride	93		86		70-130	8		30
1,2-Dichloropropane	86		86		70-130	0		30
Dibromochloromethane	87		87		70-130	0		30
1,1,2-Trichloroethane	101		102		70-130	1		30
Tetrachloroethene	96		96		70-130	0		30
Chlorobenzene	97		95		70-130	2		30
Trichlorofluoromethane	220	Q	214	Q	70-139	3		30
1,2-Dichloroethane	81		80		70-130	1		30
1,1,1-Trichloroethane	95		91		70-130	4		30
Bromodichloromethane	95		92		70-130	3		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	96		95		70-130	1		30
1,1-Dichloropropene	104		100		70-130	4		30
Bromoform	88		88		70-130	0		30
1,1,2,2-Tetrachloroethane	99		99		70-130	0		30
Benzene	101		97		70-130	4		30
Toluene	103		100		70-130	3		30
Ethylbenzene	104		102		70-130	2		30
Chloromethane	82		74		52-130	10		30
Bromomethane	198	Q	190	Q	57-147	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1037368-3 WG1037368-4								
Vinyl chloride	159	Q	151	Q	67-130	5		30
Chloroethane	192	Q	188	Q	50-151	2		30
1,1-Dichloroethene	97		92		65-135	5		30
trans-1,2-Dichloroethene	97		95		70-130	2		30
Trichloroethene	95		92		70-130	3		30
1,2-Dichlorobenzene	91		91		70-130	0		30
1,3-Dichlorobenzene	92		90		70-130	2		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	99		96		66-130	3		30
p/m-Xylene	103		101		70-130	2		30
o-Xylene	100		98		70-130	2		30
cis-1,2-Dichloroethene	99		96		70-130	3		30
Dibromomethane	94		94		70-130	0		30
Styrene	100		100		70-130	0		30
Dichlorodifluoromethane	100		90		30-146	11		30
Acetone	84		77		54-140	9		30
Carbon disulfide	83		78		59-130	6		30
2-Butanone	79		72		70-130	9		30
Vinyl acetate	85		83		70-130	2		30
4-Methyl-2-pentanone	85		82		70-130	4		30
1,2,3-Trichloropropane	97		100		68-130	3		30
2-Hexanone	83		82		70-130	1		30
Bromochloromethane	89		80		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1037368-3 WG1037368-4								
2,2-Dichloropropane	100		93		70-130	7		30
1,2-Dibromoethane	96		94		70-130	2		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	88		86		70-130	2		30
Bromobenzene	93		92		70-130	1		30
n-Butylbenzene	109		108		70-130	1		30
sec-Butylbenzene	104		104		70-130	0		30
tert-Butylbenzene	100		97		70-130	3		30
o-Chlorotoluene	99		96		70-130	3		30
p-Chlorotoluene	100		98		70-130	2		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	101		100		67-130	1		30
Isopropylbenzene	103		103		70-130	0		30
p-Isopropyltoluene	100		98		70-130	2		30
Naphthalene	89		90		70-130	1		30
Acrylonitrile	76		71		70-130	7		30
n-Propylbenzene	107		105		70-130	2		30
1,2,3-Trichlorobenzene	94		93		70-130	1		30
1,2,4-Trichlorobenzene	98		95		70-130	3		30
1,3,5-Trimethylbenzene	101		100		70-130	1		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
1,4-Dioxane	105		100		65-136	5		30
p-Diethylbenzene	103		102		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1037368-3 WG1037368-4								
p-Ethyltoluene	106		106		70-130	0		30
1,2,4,5-Tetramethylbenzene	103		102		70-130	1		30
Ethyl ether	110		100		67-130	10		30
trans-1,4-Dichloro-2-butene	81		83		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		88		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	93		93		70-130

SEMIVOLATILES

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01
 Client ID: SB001_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:00
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 07:32

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/30/17 16:11
 Analyst: EK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	860		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	9600	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	280		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01

Date Collected: 08/22/17 09:00

Client ID: SB001_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	4100		ug/kg	110	20.	1
Benzo(a)pyrene	3700		ug/kg	140	44.	1
Benzo(b)fluoranthene	4600		ug/kg	110	31.	1
Benzo(k)fluoranthene	1600		ug/kg	110	29.	1
Chrysene	3900		ug/kg	110	19.	1
Acenaphthylene	130	J	ug/kg	140	28.	1
Anthracene	1900		ug/kg	110	35.	1
Benzo(ghi)perylene	2600		ug/kg	140	21.	1
Fluorene	590		ug/kg	180	18.	1
Phenanthrene	8300	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	500		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	140	25.	1
Pyrene	8600	E	ug/kg	110	18.	1
Biphenyl	84	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	410		ug/kg	180	17.	1
2-Methylnaphthalene	200	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	55	J	ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	390	J	ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	560		ug/kg	180	18.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01

Date Collected: 08/22/17 09:00

Client ID: SB001_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

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	43		25-120
Phenol-d6	44		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	38		10-136
4-Terphenyl-d14	40		18-120

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01 D
 Client ID: SB001_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:00

Date Received: 08/23/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 08/26/17 07:32

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/31/17 06:07
 Analyst: RC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	10000		ug/kg	220	42.	2
Phenanthrene	8300		ug/kg	220	44.	2
Pyrene	8900		ug/kg	220	36.	2

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03
 Client ID: SB002_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:30
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 07:32

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/30/17 16:36
 Analyst: EK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	48	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03

Date Collected: 08/22/17 09:30

Client ID: SB002_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	630		ug/kg	110	20.	1
Benzo(a)pyrene	550		ug/kg	150	44.	1
Benzo(b)fluoranthene	790		ug/kg	110	31.	1
Benzo(k)fluoranthene	270		ug/kg	110	29.	1
Chrysene	610		ug/kg	110	19.	1
Acenaphthylene	170		ug/kg	150	28.	1
Anthracene	140		ug/kg	110	36.	1
Benzo(ghi)perylene	370		ug/kg	150	21.	1
Fluorene	21	J	ug/kg	180	18.	1
Phenanthrene	320		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	90	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	420		ug/kg	150	25.	1
Pyrene	870		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	330	J	ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03

Date Collected: 08/22/17 09:30

Client ID: SB002_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

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	54		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	47		10-136
4-Terphenyl-d14	49		18-120

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05
 Client ID: SB003_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:55
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 07:32

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/30/17 17:01
 Analyst: EK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	49	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	1200		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	42	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05

Date Collected: 08/22/17 09:55

Client ID: SB003_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	620		ug/kg	110	21.	1
Benzo(a)pyrene	580		ug/kg	150	46.	1
Benzo(b)fluoranthene	820		ug/kg	110	32.	1
Benzo(k)fluoranthene	190		ug/kg	110	30.	1
Chrysene	590		ug/kg	110	20.	1
Acenaphthylene	100	J	ug/kg	150	29.	1
Anthracene	190		ug/kg	110	37.	1
Benzo(ghi)perylene	430		ug/kg	150	22.	1
Fluorene	47	J	ug/kg	190	18.	1
Phenanthrene	720		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	83	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	150	26.	1
Pyrene	1100		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	25	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05

Date Collected: 08/22/17 09:55

Client ID: SB003_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	42		10-136
4-Terphenyl-d14	51		18-120

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07
 Client ID: SB004_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 11:20
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 07:32

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/30/17 17:27
 Analyst: EK
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	24	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07

Date Collected: 08/22/17 11:20

Client ID: SB004_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	23	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	380	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07

Date Collected: 08/22/17 11:20

Client ID: SB004_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	53		18-120

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/29/17 22:40
 Analyst: CB

Extraction Method: EPA 3546
 Extraction Date: 08/26/17 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1035792-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/29/17 22:40
 Analyst: CB

Extraction Method: EPA 3546
 Extraction Date: 08/26/17 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1035792-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/29/17 22:40
 Analyst: CB

Extraction Method: EPA 3546
 Extraction Date: 08/26/17 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1035792-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	66		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1035792-2 WG1035792-3								
Acenaphthene	63		65		31-137	3		50
1,2,4-Trichlorobenzene	66		67		38-107	2		50
Hexachlorobenzene	62		64		40-140	3		50
Bis(2-chloroethyl)ether	82		84		40-140	2		50
2-Chloronaphthalene	72		73		40-140	1		50
1,2-Dichlorobenzene	65		67		40-140	3		50
1,3-Dichlorobenzene	65		68		40-140	5		50
1,4-Dichlorobenzene	65		67		28-104	3		50
3,3'-Dichlorobenzidine	56		59		40-140	5		50
2,4-Dinitrotoluene	67		70		40-132	4		50
2,6-Dinitrotoluene	69		71		40-140	3		50
Fluoranthene	67		69		40-140	3		50
4-Chlorophenyl phenyl ether	64		66		40-140	3		50
4-Bromophenyl phenyl ether	70		72		40-140	3		50
Bis(2-chloroisopropyl)ether	76		79		40-140	4		50
Bis(2-chloroethoxy)methane	81		83		40-117	2		50
Hexachlorobutadiene	59		61		40-140	3		50
Hexachlorocyclopentadiene	50		51		40-140	2		50
Hexachloroethane	67		69		40-140	3		50
Isophorone	78		80		40-140	3		50
Naphthalene	66		68		40-140	3		50
Nitrobenzene	84		86		40-140	2		50
NDPA/DPA	70		74		36-157	6		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1035792-2 WG1035792-3								
n-Nitrosodi-n-propylamine	82		84		32-121	2		50
Bis(2-ethylhexyl)phthalate	69		74		40-140	7		50
Butyl benzyl phthalate	71		75		40-140	5		50
Di-n-butylphthalate	73		76		40-140	4		50
Di-n-octylphthalate	73		77		40-140	5		50
Diethyl phthalate	68		71		40-140	4		50
Dimethyl phthalate	72		74		40-140	3		50
Benzo(a)anthracene	68		71		40-140	4		50
Benzo(a)pyrene	71		75		40-140	5		50
Benzo(b)fluoranthene	71		76		40-140	7		50
Benzo(k)fluoranthene	63		66		40-140	5		50
Chrysene	60		63		40-140	5		50
Acenaphthylene	72		74		40-140	3		50
Anthracene	65		68		40-140	5		50
Benzo(ghi)perylene	68		71		40-140	4		50
Fluorene	66		69		40-140	4		50
Phenanthrene	63		66		40-140	5		50
Dibenzo(a,h)anthracene	70		73		40-140	4		50
Indeno(1,2,3-cd)pyrene	73		76		40-140	4		50
Pyrene	63		67		35-142	6		50
Biphenyl	75		76		54-104	1		50
4-Chloroaniline	74		82		40-140	10		50
2-Nitroaniline	78		79		47-134	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1035792-2 WG1035792-3								
3-Nitroaniline	64		67		26-129	5		50
4-Nitroaniline	75		79		41-125	5		50
Dibenzofuran	65		68		40-140	5		50
2-Methylnaphthalene	69		72		40-140	4		50
1,2,4,5-Tetrachlorobenzene	67		69		40-117	3		50
Acetophenone	72		75		14-144	4		50
2,4,6-Trichlorophenol	71		71		30-130	0		50
p-Chloro-m-cresol	86		88		26-103	2		50
2-Chlorophenol	79		83		25-102	5		50
2,4-Dichlorophenol	82		85		30-130	4		50
2,4-Dimethylphenol	82		84		30-130	2		50
2-Nitrophenol	88		90		30-130	2		50
4-Nitrophenol	89		92		11-114	3		50
2,4-Dinitrophenol	44		47		4-130	7		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	57		58		17-109	2		50
Phenol	80		83		26-90	4		50
2-Methylphenol	85		86		30-130.	1		50
3-Methylphenol/4-Methylphenol	92		95		30-130	3		50
2,4,5-Trichlorophenol	79		83		30-130	5		50
Benzoic Acid	20		21		10-110	5		50
Benzyl Alcohol	77		79		40-140	3		50
Carbazole	71		74		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1035792-2 WG1035792-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		94		25-120
Phenol-d6	88		91		10-120
Nitrobenzene-d5	84		87		23-120
2-Fluorobiphenyl	68		68		30-120
2,4,6-Tribromophenol	64		65		10-136
4-Terphenyl-d14	61		64		18-120

PCBS

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01
 Client ID: SB001_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:00
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 13:01
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/29/17

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/17 00:48
 Analyst: HT
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.97	1	A
Aroclor 1221	ND		ug/kg	35.0	5.32	1	A
Aroclor 1232	ND		ug/kg	35.0	3.44	1	A
Aroclor 1242	ND		ug/kg	35.0	4.28	1	A
Aroclor 1248	ND		ug/kg	35.0	3.92	1	A
Aroclor 1254	ND		ug/kg	35.0	2.85	1	A
Aroclor 1260	ND		ug/kg	35.0	3.65	1	A
Aroclor 1262	ND		ug/kg	35.0	2.88	1	A
Aroclor 1268	ND		ug/kg	35.0	2.48	1	A
PCBs, Total	ND		ug/kg	35.0	2.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03
 Client ID: SB002_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:30
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 13:01
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/29/17

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/17 01:01
 Analyst: WR
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	4.17	1	A
Aroclor 1221	ND		ug/kg	36.8	5.59	1	A
Aroclor 1232	ND		ug/kg	36.8	3.62	1	A
Aroclor 1242	ND		ug/kg	36.8	4.50	1	A
Aroclor 1248	52.1		ug/kg	36.8	4.12	1	B
Aroclor 1254	ND		ug/kg	36.8	3.00	1	A
Aroclor 1260	106		ug/kg	36.8	3.84	1	B
Aroclor 1262	ND		ug/kg	36.8	3.02	1	A
Aroclor 1268	ND		ug/kg	36.8	2.60	1	A
PCBs, Total	158		ug/kg	36.8	2.60	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05
 Client ID: SB003_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:55
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 13:01
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/29/17

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/17 02:11
 Analyst: HT
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.0	4.31	1	A
Aroclor 1221	ND		ug/kg	38.0	5.78	1	A
Aroclor 1232	ND		ug/kg	38.0	3.74	1	A
Aroclor 1242	ND		ug/kg	38.0	4.65	1	A
Aroclor 1248	ND		ug/kg	38.0	4.26	1	A
Aroclor 1254	ND		ug/kg	38.0	3.10	1	A
Aroclor 1260	67.0		ug/kg	38.0	3.97	1	A
Aroclor 1262	ND		ug/kg	38.0	3.12	1	A
Aroclor 1268	ND		ug/kg	38.0	2.69	1	A
PCBs, Total	67.0		ug/kg	38.0	2.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07
 Client ID: SB004_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 11:20
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 13:01
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/29/17

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/17 02:24
 Analyst: HT
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.1	3.86	1	A
Aroclor 1221	ND		ug/kg	34.1	5.19	1	A
Aroclor 1232	ND		ug/kg	34.1	3.35	1	A
Aroclor 1242	ND		ug/kg	34.1	4.17	1	A
Aroclor 1248	ND		ug/kg	34.1	3.82	1	A
Aroclor 1254	ND		ug/kg	34.1	2.78	1	A
Aroclor 1260	ND		ug/kg	34.1	3.56	1	A
Aroclor 1262	ND		ug/kg	34.1	2.80	1	A
Aroclor 1268	ND		ug/kg	34.1	2.41	1	A
PCBs, Total	ND		ug/kg	34.1	2.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/31/17 01:14
 Analyst: WR

Extraction Method: EPA 3546
 Extraction Date: 08/26/17 13:01
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/29/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1035876-1						
Aroclor 1016	ND		ug/kg	32.6	3.70	A
Aroclor 1221	ND		ug/kg	32.6	4.96	A
Aroclor 1232	ND		ug/kg	32.6	3.21	A
Aroclor 1242	ND		ug/kg	32.6	3.99	A
Aroclor 1248	ND		ug/kg	32.6	3.66	A
Aroclor 1254	ND		ug/kg	32.6	2.66	A
Aroclor 1260	ND		ug/kg	32.6	3.40	A
Aroclor 1262	ND		ug/kg	32.6	2.68	A
Aroclor 1268	ND		ug/kg	32.6	2.31	A
PCBs, Total	ND		ug/kg	32.6	2.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1035876-2 WG1035876-3									
Aroclor 1016	60		64		40-140	6		50	A
Aroclor 1260	53		58		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		79		30-150	A
Decachlorobiphenyl	58		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	B
Decachlorobiphenyl	63		62		30-150	B

PESTICIDES

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01
 Client ID: SB001_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:00
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 12:57
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/27/17

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/17 14:10
 Analyst: SL
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	0.428	J	ug/kg	1.70	0.334	1	B
Lindane	ND		ug/kg	0.710	0.318	1	A
Alpha-BHC	ND		ug/kg	0.710	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.646	1	A
Heptachlor	ND		ug/kg	0.852	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.959	1	A
Endrin	ND		ug/kg	0.710	0.291	1	A
Endrin aldehyde	3.29	PI	ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.06	0.533	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	0.926	JPI	ug/kg	1.70	0.570	1	A
Endosulfan sulfate	1.47	PI	ug/kg	0.710	0.338	1	A
Methoxychlor	10.8	PI	ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.95	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND	PI	ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	13.8	5.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03
 Client ID: SB002_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:30
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 12:57
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/27/17

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/17 14:23
 Analyst: SL
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.346	1	A
Lindane	ND		ug/kg	0.735	0.329	1	A
Alpha-BHC	ND		ug/kg	0.735	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.669	1	A
Heptachlor	ND		ug/kg	0.882	0.396	1	A
Aldrin	ND		ug/kg	1.76	0.621	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.992	1	A
Endrin	ND		ug/kg	0.735	0.301	1	A
Endrin aldehyde	4.25	PI	ug/kg	2.20	0.772	1	B
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.629	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.417	1	A
Endosulfan II	ND		ug/kg	1.76	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.735	0.350	1	A
Methoxychlor	14.5	PI	ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.26	1	A
cis-Chlordane	ND		ug/kg	2.20	0.615	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	40		30-150	A

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05
 Client ID: SB003_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 09:55
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 12:57
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/27/17

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/17 14:35
 Analyst: SL
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.746	0.334	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.679	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.783	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.639	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND	PI	ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	ND		ug/kg	2.24	0.624	1	A
trans-Chlordane	ND	PI	ug/kg	2.24	0.591	1	A
Chlordane	ND		ug/kg	14.6	5.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	33		30-150	A

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07
 Client ID: SB004_0-2
 Sample Location: 4720 THIRD AVE., BRONX

Date Collected: 08/22/17 11:20
 Date Received: 08/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 08/26/17 12:57
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/27/17

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/17 14:48
 Analyst: SL
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.320	1	A
Lindane	ND		ug/kg	0.682	0.305	1	A
Alpha-BHC	ND		ug/kg	0.682	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.620	1	A
Heptachlor	ND		ug/kg	0.818	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.576	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.920	1	A
Endrin	ND		ug/kg	0.682	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.716	1	A
Endrin ketone	ND		ug/kg	1.64	0.421	1	A
Dieldrin	ND		ug/kg	1.02	0.511	1	A
4,4'-DDE	ND		ug/kg	1.64	0.378	1	A
4,4'-DDD	ND		ug/kg	1.64	0.583	1	A
4,4'-DDT	ND		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.386	1	A
Endosulfan II	ND		ug/kg	1.64	0.547	1	A
Endosulfan sulfate	ND		ug/kg	0.682	0.324	1	A
Methoxychlor	ND		ug/kg	3.07	0.954	1	A
Toxaphene	ND		ug/kg	30.7	8.59	1	A
cis-Chlordane	ND		ug/kg	2.04	0.570	1	A
trans-Chlordane	ND		ug/kg	2.04	0.540	1	A
Chlordane	ND		ug/kg	13.3	5.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/28/17 13:57
 Analyst: SL

Extraction Method: EPA 3546
 Extraction Date: 08/26/17 12:57
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/27/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1035875-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.630	0.282	A
Alpha-BHC	ND		ug/kg	0.630	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.574	A
Heptachlor	ND		ug/kg	0.757	0.339	A
Aldrin	ND		ug/kg	1.51	0.533	A
Heptachlor epoxide	ND		ug/kg	2.84	0.851	A
Endrin	ND		ug/kg	0.630	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.662	A
Endrin ketone	ND		ug/kg	1.51	0.390	A
Dieldrin	ND		ug/kg	0.946	0.473	A
4,4'-DDE	ND		ug/kg	1.51	0.350	A
4,4'-DDD	ND		ug/kg	1.51	0.540	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.51	0.358	A
Endosulfan II	ND		ug/kg	1.51	0.506	A
Endosulfan sulfate	ND		ug/kg	0.630	0.300	A
Methoxychlor	ND		ug/kg	2.84	0.883	A
Toxaphene	ND		ug/kg	28.4	7.94	A
cis-Chlordane	ND		ug/kg	1.89	0.527	A
trans-Chlordane	ND		ug/kg	1.89	0.499	A
Chlordane	ND		ug/kg	12.3	5.01	A

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/28/17 13:57
 Analyst: SL

Extraction Method: EPA 3546
 Extraction Date: 08/26/17 12:57
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/27/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1035875-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	34		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1035875-2 WG1035875-3									
Delta-BHC	87		90		30-150	3		30	A
Lindane	91		93		30-150	2		30	A
Alpha-BHC	95		94		30-150	1		30	A
Beta-BHC	90		93		30-150	3		30	A
Heptachlor	99		99		30-150	0		30	A
Aldrin	88		90		30-150	2		30	A
Heptachlor epoxide	90		87		30-150	3		30	A
Endrin	92		98		30-150	6		30	A
Endrin aldehyde	52		63		30-150	19		30	A
Endrin ketone	69		82		30-150	17		30	A
Dieldrin	93		100		30-150	7		30	A
4,4'-DDE	94		101		30-150	7		30	A
4,4'-DDD	90		98		30-150	9		30	A
4,4'-DDT	95		105		30-150	10		30	A
Endosulfan I	85		90		30-150	6		30	A
Endosulfan II	82		89		30-150	8		30	A
Endosulfan sulfate	52		55		30-150	6		30	A
Methoxychlor	93		100		30-150	7		30	A
cis-Chlordane	78		88		30-150	12		30	A
trans-Chlordane	88		90		30-150	2		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1035875-2 WG1035875-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	B
Decachlorobiphenyl	71		73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		74		30-150	A
Decachlorobiphenyl	45		52		30-150	A

METALS

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01

Date Collected: 08/22/17 09:00

Client ID: SB001_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5900		mg/kg	8.62	2.33	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Antimony, Total	0.492	J	mg/kg	4.31	0.328	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Arsenic, Total	8.11		mg/kg	0.862	0.179	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Barium, Total	108		mg/kg	0.862	0.150	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Beryllium, Total	0.190	J	mg/kg	0.431	0.028	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Cadmium, Total	1.43		mg/kg	0.862	0.085	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Calcium, Total	34500		mg/kg	8.62	3.02	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Chromium, Total	16.6		mg/kg	0.862	0.083	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Cobalt, Total	6.60		mg/kg	1.72	0.143	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Copper, Total	30.4		mg/kg	0.862	0.222	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Iron, Total	18600		mg/kg	4.31	0.779	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Lead, Total	175		mg/kg	4.31	0.231	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Magnesium, Total	9970		mg/kg	8.62	1.33	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Manganese, Total	160		mg/kg	0.862	0.137	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Mercury, Total	0.21		mg/kg	0.07	0.01	1	08/29/17 09:00	08/29/17 19:54	EPA 7471B	1,7471B	EA
Nickel, Total	13.4		mg/kg	2.16	0.209	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Potassium, Total	1680		mg/kg	216	12.4	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.862	0.244	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Sodium, Total	587		mg/kg	172	2.72	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.72	0.272	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Vanadium, Total	21.3		mg/kg	0.862	0.175	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH
Zinc, Total	324		mg/kg	4.31	0.253	2	08/28/17 18:45	08/29/17 00:51	EPA 3050B	1,6010C	JH



Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03

Date Collected: 08/22/17 09:30

Client ID: SB002_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5810		mg/kg	8.44	2.28	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Antimony, Total	0.397	J	mg/kg	4.22	0.321	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Arsenic, Total	6.91		mg/kg	0.844	0.176	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Barium, Total	213		mg/kg	0.844	0.147	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Beryllium, Total	0.186	J	mg/kg	0.422	0.028	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Cadmium, Total	0.439	J	mg/kg	0.844	0.083	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Calcium, Total	19400		mg/kg	8.44	2.95	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Chromium, Total	14.4		mg/kg	0.844	0.081	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Cobalt, Total	4.88		mg/kg	1.69	0.140	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Copper, Total	22.4		mg/kg	0.844	0.218	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Iron, Total	9180		mg/kg	4.22	0.762	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Lead, Total	260		mg/kg	4.22	0.226	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Magnesium, Total	6620		mg/kg	8.44	1.30	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Manganese, Total	128		mg/kg	0.844	0.134	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Mercury, Total	0.84		mg/kg	0.07	0.02	1	08/29/17 09:00	08/29/17 19:56	EPA 7471B	1,7471B	EA
Nickel, Total	9.54		mg/kg	2.11	0.204	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Potassium, Total	1980		mg/kg	211	12.2	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Selenium, Total	0.295	J	mg/kg	1.69	0.218	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.844	0.239	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Sodium, Total	204		mg/kg	169	2.66	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.69	0.266	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Vanadium, Total	18.7		mg/kg	0.844	0.171	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH
Zinc, Total	182		mg/kg	4.22	0.247	2	08/28/17 18:45	08/29/17 00:56	EPA 3050B	1,6010C	JH



Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05

Date Collected: 08/22/17 09:55

Client ID: SB003_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8390		mg/kg	9.14	2.47	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.57	0.347	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Arsenic, Total	9.24		mg/kg	0.914	0.190	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Barium, Total	191		mg/kg	0.914	0.159	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Beryllium, Total	0.356	J	mg/kg	0.457	0.030	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Cadmium, Total	6.96		mg/kg	0.914	0.090	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Calcium, Total	29400		mg/kg	9.14	3.20	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Chromium, Total	32.4		mg/kg	0.914	0.088	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Cobalt, Total	7.49		mg/kg	1.83	0.152	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Copper, Total	48.8		mg/kg	0.914	0.236	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Iron, Total	33300		mg/kg	4.57	0.825	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Lead, Total	382		mg/kg	4.57	0.245	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Magnesium, Total	15200		mg/kg	9.14	1.41	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Manganese, Total	404		mg/kg	0.914	0.145	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Mercury, Total	0.51		mg/kg	0.07	0.02	1	08/29/17 09:00	08/29/17 19:57	EPA 7471B	1,7471B	EA
Nickel, Total	19.6		mg/kg	2.28	0.221	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Potassium, Total	2350		mg/kg	228	13.2	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.83	0.236	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.914	0.258	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Sodium, Total	525		mg/kg	183	2.88	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.83	0.288	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Vanadium, Total	23.6		mg/kg	0.914	0.185	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH
Zinc, Total	287		mg/kg	4.57	0.268	2	08/28/17 18:45	08/29/17 01:01	EPA 3050B	1,6010C	JH



Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07

Date Collected: 08/22/17 11:20

Client ID: SB004_0-2

Date Received: 08/23/17

Sample Location: 4720 THIRD AVE., BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5160		mg/kg	8.35	2.25	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.17	0.317	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Arsenic, Total	1.24		mg/kg	0.835	0.174	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Barium, Total	23.1		mg/kg	0.835	0.145	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Beryllium, Total	0.334	J	mg/kg	0.417	0.028	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Cadmium, Total	0.225	J	mg/kg	0.835	0.082	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Calcium, Total	107000		mg/kg	83.5	29.2	20	08/28/17 18:45	08/29/17 05:12	EPA 3050B	1,6010C	JH
Chromium, Total	6.49		mg/kg	0.835	0.080	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Cobalt, Total	2.55		mg/kg	1.67	0.139	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Copper, Total	5.43		mg/kg	0.835	0.215	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Iron, Total	8090		mg/kg	4.17	0.754	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Lead, Total	19.8		mg/kg	4.17	0.224	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Magnesium, Total	57700		mg/kg	8.35	1.28	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Manganese, Total	242		mg/kg	0.835	0.133	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Mercury, Total	0.12		mg/kg	0.07	0.01	1	08/29/17 09:00	08/29/17 19:59	EPA 7471B	1,7471B	EA
Nickel, Total	4.11		mg/kg	2.09	0.202	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Potassium, Total	506		mg/kg	209	12.0	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.67	0.215	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.835	0.236	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Sodium, Total	82.8	J	mg/kg	167	2.63	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.67	0.263	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Vanadium, Total	8.47		mg/kg	0.835	0.170	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH
Zinc, Total	26.8		mg/kg	4.17	0.245	2	08/28/17 18:45	08/29/17 01:06	EPA 3050B	1,6010C	JH



Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07 Batch: WG1036228-1									
Aluminum, Total	ND	mg/kg	4.00	1.08	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Antimony, Total	ND	mg/kg	2.00	0.152	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Arsenic, Total	ND	mg/kg	0.400	0.083	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Barium, Total	ND	mg/kg	0.400	0.070	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Beryllium, Total	ND	mg/kg	0.200	0.013	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Cadmium, Total	ND	mg/kg	0.400	0.039	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Calcium, Total	ND	mg/kg	4.00	1.40	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Chromium, Total	ND	mg/kg	0.400	0.038	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Cobalt, Total	ND	mg/kg	0.800	0.066	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Copper, Total	ND	mg/kg	0.400	0.103	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Iron, Total	ND	mg/kg	2.00	0.361	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Lead, Total	ND	mg/kg	2.00	0.107	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Magnesium, Total	ND	mg/kg	4.00	0.616	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Manganese, Total	ND	mg/kg	0.400	0.064	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Nickel, Total	ND	mg/kg	1.00	0.097	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Potassium, Total	ND	mg/kg	100	5.76	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Selenium, Total	ND	mg/kg	0.800	0.103	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Silver, Total	ND	mg/kg	0.400	0.113	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Sodium, Total	ND	mg/kg	80.0	1.26	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Thallium, Total	ND	mg/kg	0.800	0.126	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Vanadium, Total	ND	mg/kg	0.400	0.081	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH
Zinc, Total	ND	mg/kg	2.00	0.117	1	08/28/17 18:45	08/28/17 21:10	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07 Batch: WG1036325-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	08/29/17 09:00	08/29/17 19:39	1,7471B	EA



Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 Batch: WG1036228-2 SRM Lot Number: D093-540								
Aluminum, Total	68		-		55-146	-		
Antimony, Total	169		-		2-204	-		
Arsenic, Total	105		-		70-130	-		
Barium, Total	89		-		83-117	-		
Beryllium, Total	96		-		83-117	-		
Cadmium, Total	94		-		83-117	-		
Calcium, Total	91		-		83-117	-		
Chromium, Total	92		-		80-120	-		
Cobalt, Total	95		-		84-116	-		
Copper, Total	95		-		82-118	-		
Iron, Total	91		-		47-153	-		
Lead, Total	91		-		82-117	-		
Magnesium, Total	82		-		77-124	-		
Manganese, Total	89		-		81-119	-		
Nickel, Total	91		-		83-117	-		
Potassium, Total	88		-		71-129	-		
Selenium, Total	98		-		78-122	-		
Silver, Total	100		-		76-124	-		
Sodium, Total	100		-		72-128	-		
Thallium, Total	92		-		79-121	-		
Vanadium, Total	94		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 Batch: WG1036228-2 SRM Lot Number: D093-540					
Zinc, Total	94	-	83-117	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 Batch: WG1036325-2 SRM Lot Number: D093-540					
Mercury, Total	94	-	72-128	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1036228-3 QC Sample: L1729985-01 Client ID: MS Sample												
Aluminum, Total	5790	174	6400	350	Q	-	-		75-125	-		20
Antimony, Total	ND	43.6	37.9	87		-	-		75-125	-		20
Arsenic, Total	6.34	10.5	16.9	101		-	-		75-125	-		20
Barium, Total	28.8	174	194	95		-	-		75-125	-		20
Beryllium, Total	0.340J	4.36	4.55	104		-	-		75-125	-		20
Cadmium, Total	0.417J	4.45	4.66	105		-	-		75-125	-		20
Calcium, Total	2280	872	3140	99		-	-		75-125	-		20
Chromium, Total	12.7	17.4	31.1	106		-	-		75-125	-		20
Cobalt, Total	4.82	43.6	43.4	88		-	-		75-125	-		20
Copper, Total	14.6	21.8	41.0	121		-	-		75-125	-		20
Iron, Total	13800	87.2	16000	2520	Q	-	-		75-125	-		20
Lead, Total	25.3	44.5	68.4	97		-	-		75-125	-		20
Magnesium, Total	1600	872	2420	94		-	-		75-125	-		20
Manganese, Total	191.	43.6	230	89		-	-		75-125	-		20
Nickel, Total	9.38	43.6	49.5	92		-	-		75-125	-		20
Potassium, Total	542.	872	1480	108		-	-		75-125	-		20
Selenium, Total	ND	10.5	9.16	88		-	-		75-125	-		20
Silver, Total	ND	26.2	25.3	97		-	-		75-125	-		20
Sodium, Total	143.J	872	974	112		-	-		75-125	-		20
Thallium, Total	ND	10.5	9.09	87		-	-		75-125	-		20
Vanadium, Total	16.2	43.6	58.7	97		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1729575

Project Number: BSC1709

Report Date: 08/31/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1036228-3 QC Sample: L1729985-01 Client ID: MS Sample									
Zinc, Total	112.	43.6	116	9	Q	-	-	75-125	- 20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1036325-3 WG1036325-4 QC Sample: L1730008-02 Client ID: MS Sample									
Mercury, Total	0.03J	0.149	0.19	127	Q	0.19	128	Q 80-120	0 20

Lab Duplicate Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1036228-4 QC Sample: L1729985-01 Client ID: DUP Sample						
Aluminum, Total	5790	6470	mg/kg	11		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	6.34	8.01	mg/kg	23	Q	20
Barium, Total	28.8	38.4	mg/kg	29	Q	20
Beryllium, Total	0.340J	0.492	mg/kg	NC		20
Cadmium, Total	0.417J	0.483J	mg/kg	NC		20
Calcium, Total	2280	3900	mg/kg	52	Q	20
Chromium, Total	12.7	16.3	mg/kg	25	Q	20
Cobalt, Total	4.82	5.93	mg/kg	21	Q	20
Copper, Total	14.6	19.5	mg/kg	29	Q	20
Iron, Total	13800	17600	mg/kg	24	Q	20
Lead, Total	25.3	89.2	mg/kg	112	Q	20
Magnesium, Total	1600	1550	mg/kg	3		20
Manganese, Total	191.	270	mg/kg	34	Q	20
Nickel, Total	9.38	10.6	mg/kg	12		20
Potassium, Total	542.	667	mg/kg	21	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	143.J	146J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1036228-4 QC Sample: L1729985-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	16.2	19.8	mg/kg	20	20
Zinc, Total	112.	96.1	mg/kg	15	20

INORGANICS & MISCELLANEOUS

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-01

Client ID: SB001_0-2

Sample Location: 4720 THIRD AVE., BRONX

Matrix: Soil

Date Collected: 08/22/17 09:00

Date Received: 08/23/17

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	91.1		%	0.100	NA	1	-	08/25/17 15:06	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-03

Client ID: SB002_0-2

Sample Location: 4720 THIRD AVE., BRONX

Matrix: Soil

Date Collected: 08/22/17 09:30

Date Received: 08/23/17

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	90.5		%	0.100	NA	1	-	08/25/17 15:06	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-05

Client ID: SB003_0-2

Sample Location: 4720 THIRD AVE., BRONX

Matrix: Soil

Date Collected: 08/22/17 09:55

Date Received: 08/23/17

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/25/17 15:06	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1729575-07

Client ID: SB004_0-2

Sample Location: 4720 THIRD AVE., BRONX

Matrix: Soil

Date Collected: 08/22/17 11:20

Date Received: 08/23/17

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	95.2		%	0.100	NA	1	-	08/25/17 15:06	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1729575

Report Date: 08/31/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1035585-1 QC Sample: L1729889-01 Client ID: DUP Sample						
Solids, Total	78.0	78.7	%	1		20

Project Name: BSC1709
Project Number: BSC1709

Serial_No:08311716:48
Lab Number: L1729575
Report Date: 08/31/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1729575-01A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1729575-01B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	NYTCL-8260HLW(14)
L1729575-01C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	NYTCL-8260HLW(14)
L1729575-01D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM(),TS(7)
L1729575-01E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1729575-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1729575-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L1729575-02B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-02C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-02D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L1729575-02E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		HOLD-8270(14)
L1729575-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1729575-03A	Vial MeOH preserved	A	NA		3.7	Y	Absent		HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-03B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-03C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-03D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM(),TS(7)
L1729575-03E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

Project Name: BSC1709
Project Number: BSC1709

Serial_No:08311716:48
Lab Number: L1729575
Report Date: 08/31/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1729575-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1729575-04A	Vial MeOH preserved	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L1729575-04B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-04C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-04D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L1729575-04E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		HOLD-8270(14)
L1729575-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),HOLD-METAL(180),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1729575-05A	Vial MeOH preserved	A	NA		3.7	Y	Absent		HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-05B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-05C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-05D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM(),TS(7)
L1729575-05E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1729575-05F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1729575-06A	Vial MeOH preserved	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L1729575-06B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-06C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-06D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L1729575-06E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		HOLD-8270(14)

Project Name: BSC1709
Project Number: BSC1709

Serial_No: 08311716:48
Lab Number: L1729575
Report Date: 08/31/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1729575-06F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1729575-07A	Vial MeOH preserved	A	NA		3.7	Y	Absent		HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-07B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-07C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14),NYTCL-8260HLW(14)
L1729575-07D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM(),TS(7)
L1729575-07E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1729575-07F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1729575-08A	Vial MeOH preserved	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L1729575-08B	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-08C	Vial water preserved	A	NA		3.7	Y	Absent	24-AUG-17 00:52	HOLD-8260HLW(14)
L1729575-08D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L1729575-08E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		HOLD-8270(14)
L1729575-08F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Project Name: BSC1709**Lab Number:** L1729575**Project Number:** BSC1709**Report Date:** 08/31/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name: BSC1709**Lab Number:** L1729575**Project Number:** BSC1709**Report Date:** 08/31/17**Data Qualifiers**

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: BSC1709
Project Number: BSC1709

Lab Number: L1729575
Report Date: 08/31/17

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.****EPA 624:** Volatile Halocarbons & Aromatics,**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 ALPHA ANALYTICAL Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	1	Date Rec'd in Lab 08/23/17	ALPHA Job # L1729575												
			of	1														
Project Information Project Name: <u>BSC1709</u> Project Location: <u>4720 Third Ave, Bronx</u> Project # _____ (Use Project name as Project #) ☒			Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other			Billing Information ☐ Same as Client Info PO # _____												
Client Information Client: <u>PW Grosser</u> Address: <u>630 Johnson Ave</u> <u>Bohemia, NY</u> Phone: <u>631-589-6353</u> Fax: _____ Email: <u>h.moran-botta@pwgrosser.com</u>			Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge			Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____												
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Hold all samples			ANALYSIS <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th>TCL Volatiles</th> <th>NYTCL Semivolatiles</th> <th>TCL Pesticides</th> <th>TCL PCBs</th> <th>TAL Metals Dissolved</th> <th>TAL Metals Total</th> </tr> <tr> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> </tr> </table>			TCL Volatiles	NYTCL Semivolatiles	TCL Pesticides	TCL PCBs	TAL Metals Dissolved	TAL Metals Total	✓	✓	✓	✓	✓	✓	Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)
TCL Volatiles	NYTCL Semivolatiles	TCL Pesticides	TCL PCBs	TAL Metals Dissolved	TAL Metals Total													
✓	✓	✓	✓	✓	✓													
ALPHA Lab ID (Lab Use Only) Sample ID Collection Sample Matrix Sampler's Initials			Sample Specific Comments															
29575-81 SB001-0-2 8/22 9:00 Soil JG			Hold															
02 SB001-10-12 9:10 JG			Hold															
03 SB002-0-2 9:30 JG			Hold															
04 SB002-12-14 9:50 JG			Hold															
05 SB003-0-2 9:55 JG			Hold															
06 SB003-10-12 10:10 JG			Hold															
07 SB004-0-2 11:20 JG			Hold															
08 SB004-2-3 ↓ 11:30 ↓ JG			Hold															
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other			Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle			Westboro: Certification No: MA935 Mansfield: Certification No: MA015												
Relinquished By: <u>[Signature]</u> Date/Time: <u>8/23/17 7:10</u>			Received By: <u>[Signature]</u> Date/Time: <u>8/23/17 7:10</u>															
Relinquished By: <u>[Signature]</u> Date/Time: <u>8/23/17 17:00</u>			Received By: <u>[Signature]</u> Date/Time: <u>8/23/17 17:00</u>															
Relinquished By: <u>[Signature]</u> Date/Time: <u>8/23 7:00</u>			Received By: <u>[Signature]</u> Date/Time: <u>8/23/17 22:00</u>															
Form No: 01-25 HC (rev. 30-Sept-2013)			Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)															



ANALYTICAL REPORT

Lab Number:	L1730588
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Heather Moran-Botta
Phone:	(631) 589-6353
Project Name:	BSC1709
Project Number:	BSC1709
Report Date:	09/01/17

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1730588-01	SB005_0-2	SOIL	BRONX	08/29/17 07:45	08/30/17
L1730588-02	SB005_7-9	SOIL	BRONX	08/29/17 07:50	08/30/17
L1730588-03	SB006_0-2	SOIL	BRONX	08/29/17 08:00	08/30/17
L1730588-04	SB006_7-9	SOIL	BRONX	08/29/17 08:10	08/30/17
L1730588-05	SB007_0-2	SOIL	BRONX	08/29/17 09:00	08/30/17
L1730588-06	SB007_7-9	SOIL	BRONX	08/29/17 09:10	08/30/17
L1730588-07	SB008_0-2	SOIL	BRONX	08/29/17 09:30	08/30/17
L1730588-08	SB008_12-14	SOIL	BRONX	08/29/17 09:40	08/30/17
L1730588-09	SB009_0-2	SOIL	BRONX	08/29/17 10:00	08/30/17
L1730588-10	SB009_12-14	SOIL	BRONX	08/29/17 10:10	08/30/17
L1730588-11	SB010_0-2	SOIL	BRONX	08/29/17 10:20	08/30/17
L1730588-12	SB010_12-14	SOIL	BRONX	08/29/17 10:30	08/30/17
L1730588-13	SB011_0-2	SOIL	BRONX	08/29/17 10:40	08/30/17
L1730588-14	SB011_12-14	SOIL	BRONX	08/29/17 10:50	08/30/17
L1730588-15	DUPE	SOIL	BRONX	08/29/17 00:00	08/30/17
L1730588-16	FIELD BLANK	WATER	BRONX	08/29/17 12:00	08/30/17
L1730588-17	EQUIPMENT BLANK	WATER	BRONX	08/29/17 12:12	08/30/17
L1730588-18	TRIP BLANK	WATER	BRONX	08/29/17 00:00	08/30/17
L1730588-19	TRIP BLANK 2	WATER	BRONX	08/29/17 00:00	08/30/17

Project Name: BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

HOLD POLICY

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

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

Project Name: BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17**Case Narrative (continued)****Report Submission**

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

Volatile Organics

L1730588-13: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (33%) was below the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (44%) and 1,4-dichlorobenzene-d4 (22%). The results of both analyses are reported.

L1730588-16: The Field Blank has a result for acetone present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Semivolatile Organics

L1730588-11 and -13: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1037181-2/-3 LCS/LCSD recoveries, associated with L1730588-01 through -15, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

PCBs

L1730588-13: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (676%/747%); however, the sample was not re-extracted due to coelution with Aroclor 1268.

Pesticides

The surrogate recoveries for the following samples are outside the acceptance criteria for decachlorobiphenyl; however, the samples were not re-extracted due to coelution with obvious interferences:

L1730588-07: 366%/264%

L1730588-13: 1480%/1730%

Project Name: BSC1709
Project Number: BSC1709

Lab Number: L1730588
Report Date: 09/01/17

Case Narrative (continued)

L1730588-16: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

L1730588-01 through -15: These samples have elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

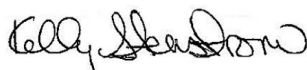
The WG1037210-3/-4 MS/MSD recoveries, performed on L1730588-03, are outside the acceptance criteria for mercury (50%/29%). A post digestion spike was performed and was within acceptance criteria.

The WG1037521-3/-4 MS/MSD recoveries for aluminum (MS 58%), calcium (MSD 1390%), iron (0%/36%), lead (0%/0%), magnesium (0%/0%), manganese (MSD 184%) and zinc (0%/0%), performed on L1730588-03, do not apply because the sample concentrations are greater than four times the spike amounts added. The MS/MSD RPDs for calcium (26%) and lead (71%) are above the acceptance criteria.

The WG1037521-3/-4 MS/MSD recoveries, performed on L1730588-03, are outside the acceptance criteria for barium (0%/0%), copper (MSD 58%), and thallium (MSD 72%). A post digestion spike was performed and yielded unacceptable recoveries for barium (172%), copper (191%), and thallium (150%). This has been attributed to sample matrix.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/01/17

ORGANICS

VOLATILES

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Date Collected: 08/29/17 07:45

Client ID: SB005_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/31/17 21:14

Analyst: PD

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.43	1
Bromodichloromethane	ND		ug/kg	1.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.26	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.40	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Benzene	ND		ug/kg	1.2	0.24	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.2	0.54	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.39	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.30	1
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.22	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Date Collected: 08/29/17 07:45

Client ID: SB005_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.19	1
p/m-Xylene	ND		ug/kg	2.5	0.43	1
o-Xylene	ND		ug/kg	2.5	0.42	1
Xylenes, Total	ND		ug/kg	2.5	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.30	1
Dibromomethane	ND		ug/kg	12	0.29	1
Styrene	ND		ug/kg	2.5	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.62	1
Acetone	10	J	ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.85	1
Vinyl acetate	ND		ug/kg	12	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.22	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.2	0.44	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.55	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.27	1
tert-Butylbenzene	ND		ug/kg	6.2	0.30	1
o-Chlorotoluene	ND		ug/kg	6.2	0.27	1
p-Chlorotoluene	ND		ug/kg	6.2	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.43	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.25	1
Naphthalene	ND		ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.20	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Date Collected: 08/29/17 07:45

Client ID: SB005_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.23	1
1,4-Dioxane	ND		ug/kg	49	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	4.9	1
p-Ethyltoluene	ND		ug/kg	4.9	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.19	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	106		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Date Collected: 08/29/17 07:50

Client ID: SB005_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/31/17 21:41

Analyst: PD

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.28	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.36	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.0	0.31	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.36	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.34	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.31	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.18	1
Chloromethane	ND		ug/kg	5.2	0.45	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.33	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Trichloroethene	ND		ug/kg	1.0	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Date Collected: 08/29/17 07:50

Client ID: SB005_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.36	1
o-Xylene	ND		ug/kg	2.1	0.35	1
Xylenes, Total	ND		ug/kg	2.1	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.25	1
Dibromomethane	ND		ug/kg	10	0.25	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.52	1
Acetone	ND		ug/kg	10	2.4	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.72	1
Vinyl acetate	ND		ug/kg	10	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.37	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.47	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.0	0.24	1
sec-Butylbenzene	ND		ug/kg	1.0	0.23	1
tert-Butylbenzene	ND		ug/kg	5.2	0.26	1
o-Chlorotoluene	ND		ug/kg	5.2	0.23	1
p-Chlorotoluene	ND		ug/kg	5.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.36	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.21	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.17	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Date Collected: 08/29/17 07:50

Client ID: SB005_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.19	1
1,4-Dioxane	ND		ug/kg	42	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	4.2	1
p-Ethyltoluene	ND		ug/kg	4.2	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.16	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	108		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Date Collected: 08/29/17 08:00

Client ID: SB006_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/31/17 22:09

Analyst: PD

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.27	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.34	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	0.38	J	ug/kg	1.0	0.30	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35	1
Bromodichloromethane	ND		ug/kg	1.0	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.33	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30	1
Benzene	ND		ug/kg	1.0	0.19	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.17	1
Chloromethane	ND		ug/kg	5.0	0.44	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.32	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1
Trichloroethene	ND		ug/kg	1.0	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Date Collected: 08/29/17 08:00

Client ID: SB006_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.15	1
p/m-Xylene	ND		ug/kg	2.0	0.35	1
o-Xylene	ND		ug/kg	2.0	0.34	1
Xylenes, Total	ND		ug/kg	2.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24	1
Dibromomethane	ND		ug/kg	10	0.24	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	10	0.50	1
Acetone	ND		ug/kg	10	2.3	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.69	1
Vinyl acetate	ND		ug/kg	10	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
2-Hexanone	ND		ug/kg	10	0.67	1
Bromochloromethane	ND		ug/kg	5.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.45	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.23	1
sec-Butylbenzene	ND		ug/kg	1.0	0.22	1
tert-Butylbenzene	ND		ug/kg	5.0	0.25	1
o-Chlorotoluene	ND		ug/kg	5.0	0.22	1
p-Chlorotoluene	ND		ug/kg	5.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.35	1
Isopropylbenzene	ND		ug/kg	1.0	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.0	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Date Collected: 08/29/17 08:00

Client ID: SB006_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19	1
1,4-Dioxane	ND		ug/kg	40	14.	1
p-Diethylbenzene	ND		ug/kg	4.0	4.0	1
p-Ethyltoluene	ND		ug/kg	4.0	0.23	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	107		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Date Collected: 08/29/17 08:10

Client ID: SB006_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/31/17 23:31

Analyst: PD

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.26	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.34	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.29	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.41	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.34	1
Bromodichloromethane	ND		ug/kg	0.98	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.98	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.32	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.29	1
Benzene	ND		ug/kg	0.98	0.19	1
Toluene	0.28	J	ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.98	0.17	1
Chloromethane	ND		ug/kg	4.9	0.42	1
Bromomethane	ND		ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.31	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1
Trichloroethene	ND		ug/kg	0.98	0.29	1
1,2-Dichlorobenzene	0.20	J	ug/kg	4.9	0.18	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Date Collected: 08/29/17 08:10

Client ID: SB006_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.15	1
p/m-Xylene	ND		ug/kg	2.0	0.34	1
o-Xylene	ND		ug/kg	2.0	0.33	1
Xylenes, Total	ND		ug/kg	2.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.24	1
Dibromomethane	ND		ug/kg	9.8	0.23	1
Styrene	ND		ug/kg	2.0	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.49	1
Acetone	ND		ug/kg	9.8	2.2	1
Carbon disulfide	ND		ug/kg	9.8	1.1	1
2-Butanone	ND		ug/kg	9.8	0.67	1
Vinyl acetate	ND		ug/kg	9.8	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.17	1
2-Hexanone	ND		ug/kg	9.8	0.65	1
Bromochloromethane	ND		ug/kg	4.9	0.35	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.44	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.21	1
n-Butylbenzene	ND		ug/kg	0.98	0.22	1
sec-Butylbenzene	ND		ug/kg	0.98	0.21	1
tert-Butylbenzene	ND		ug/kg	4.9	0.24	1
o-Chlorotoluene	ND		ug/kg	4.9	0.22	1
p-Chlorotoluene	ND		ug/kg	4.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.39	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.34	1
Isopropylbenzene	ND		ug/kg	0.98	0.19	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.20	1
Naphthalene	0.30	J	ug/kg	4.9	0.13	1
Acrylonitrile	ND		ug/kg	9.8	0.50	1
n-Propylbenzene	ND		ug/kg	0.98	0.21	1
1,2,3-Trichlorobenzene	9.9		ug/kg	4.9	0.24	1
1,2,4-Trichlorobenzene	13		ug/kg	4.9	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.16	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Date Collected: 08/29/17 08:10

Client ID: SB006_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.18	1
1,4-Dioxane	ND		ug/kg	39	14.	1
p-Diethylbenzene	ND		ug/kg	3.9	3.9	1
p-Ethyltoluene	ND		ug/kg	3.9	0.23	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.15	1
Ethyl ether	ND		ug/kg	4.9	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	105		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Date Collected: 08/29/17 09:00

Client ID: SB007_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/31/17 23:59

Analyst: PD

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.92	0.28	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.32	1
Bromodichloromethane	ND		ug/kg	0.92	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.92	0.19	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.30	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.27	1
Benzene	0.24	J	ug/kg	0.92	0.18	1
Toluene	0.24	J	ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.92	0.16	1
Chloromethane	ND		ug/kg	4.6	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.92	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Date Collected: 08/29/17 09:00

Client ID: SB007_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	0.34	J	ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	0.34	J	ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.22	1
Dibromomethane	ND		ug/kg	9.2	0.22	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.46	1
Acetone	9.0	J	ug/kg	9.2	2.1	1
Carbon disulfide	ND		ug/kg	9.2	1.0	1
2-Butanone	ND		ug/kg	9.2	0.63	1
Vinyl acetate	ND		ug/kg	9.2	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.16	1
2-Hexanone	ND		ug/kg	9.2	0.61	1
Bromochloromethane	ND		ug/kg	4.6	0.33	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.41	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.18	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.20	1
n-Butylbenzene	ND		ug/kg	0.92	0.21	1
sec-Butylbenzene	ND		ug/kg	0.92	0.20	1
tert-Butylbenzene	ND		ug/kg	4.6	0.23	1
o-Chlorotoluene	ND		ug/kg	4.6	0.20	1
p-Chlorotoluene	ND		ug/kg	4.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.36	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.32	1
Isopropylbenzene	ND		ug/kg	0.92	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.13	1
Acrylonitrile	ND		ug/kg	9.2	0.47	1
n-Propylbenzene	ND		ug/kg	0.92	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.15	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Date Collected: 08/29/17 09:00

Client ID: SB007_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.17	1
1,4-Dioxane	ND		ug/kg	37	13.	1
p-Diethylbenzene	ND		ug/kg	3.7	3.7	1
p-Ethyltoluene	ND		ug/kg	3.7	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.14	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Date Collected: 08/29/17 09:10

Client ID: SB007_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 00:32

Analyst: PD

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.94	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.94	0.28	1
Chlorobenzene	ND		ug/kg	0.94	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.39	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.33	1
Bromodichloromethane	ND		ug/kg	0.94	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.94	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.31	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.28	1
Benzene	ND		ug/kg	0.94	0.18	1
Toluene	0.20	J	ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.94	0.16	1
Chloromethane	ND		ug/kg	4.7	0.41	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1
Trichloroethene	ND		ug/kg	0.94	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Date Collected: 08/29/17 09:10

Client ID: SB007_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.14	1
p/m-Xylene	ND		ug/kg	1.9	0.33	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.23	1
Dibromomethane	ND		ug/kg	9.4	0.22	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.47	1
Acetone	ND		ug/kg	9.4	2.2	1
Carbon disulfide	ND		ug/kg	9.4	1.0	1
2-Butanone	ND		ug/kg	9.4	0.65	1
Vinyl acetate	ND		ug/kg	9.4	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.4	0.17	1
2-Hexanone	ND		ug/kg	9.4	0.63	1
Bromochloromethane	ND		ug/kg	4.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.42	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.21	1
n-Butylbenzene	ND		ug/kg	0.94	0.21	1
sec-Butylbenzene	ND		ug/kg	0.94	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.23	1
o-Chlorotoluene	ND		ug/kg	4.7	0.21	1
p-Chlorotoluene	ND		ug/kg	4.7	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.33	1
Isopropylbenzene	ND		ug/kg	0.94	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.19	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.4	0.48	1
n-Propylbenzene	ND		ug/kg	0.94	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.15	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Date Collected: 08/29/17 09:10

Client ID: SB007_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.18	1
1,4-Dioxane	ND		ug/kg	38	14.	1
p-Diethylbenzene	ND		ug/kg	3.8	3.8	1
p-Ethyltoluene	ND		ug/kg	3.8	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.15	1
Ethyl ether	ND		ug/kg	4.7	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Date Collected: 08/29/17 09:30

Client ID: SB008_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 01:00

Analyst: PD

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.9	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.24	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.89	0.30	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.89	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.28	1
Tetrachloroethene	ND		ug/kg	0.89	0.27	1
Chlorobenzene	ND		ug/kg	0.89	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.89	0.31	1
Bromodichloromethane	ND		ug/kg	0.89	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.89	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.89	0.18	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.29	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.89	0.26	1
Benzene	ND		ug/kg	0.89	0.17	1
Toluene	ND		ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.89	0.15	1
Chloromethane	ND		ug/kg	4.4	0.39	1
Bromomethane	ND		ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.28	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.21	1
Trichloroethene	ND		ug/kg	0.89	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Date Collected: 08/29/17 09:30

Client ID: SB008_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.31	1
o-Xylene	ND		ug/kg	1.8	0.30	1
Xylenes, Total	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.30	1
1,2-Dichloroethene, Total	ND		ug/kg	0.89	0.21	1
Dibromomethane	ND		ug/kg	8.9	0.21	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.44	1
Acetone	6.3	J	ug/kg	8.9	2.0	1
Carbon disulfide	ND		ug/kg	8.9	0.97	1
2-Butanone	ND		ug/kg	8.9	0.61	1
Vinyl acetate	ND		ug/kg	8.9	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	8.9	0.16	1
2-Hexanone	ND		ug/kg	8.9	0.59	1
Bromochloromethane	ND		ug/kg	4.4	0.32	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.40	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.18	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.89	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.19	1
n-Butylbenzene	ND		ug/kg	0.89	0.20	1
sec-Butylbenzene	ND		ug/kg	0.89	0.19	1
tert-Butylbenzene	ND		ug/kg	4.4	0.22	1
o-Chlorotoluene	ND		ug/kg	4.4	0.20	1
p-Chlorotoluene	ND		ug/kg	4.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.35	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.31	1
Isopropylbenzene	ND		ug/kg	0.89	0.17	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.18	1
Naphthalene	ND		ug/kg	4.4	0.12	1
Acrylonitrile	ND		ug/kg	8.9	0.46	1
n-Propylbenzene	ND		ug/kg	0.89	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.14	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Date Collected: 08/29/17 09:30

Client ID: SB008_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.16	1
1,4-Dioxane	ND		ug/kg	35	13.	1
p-Diethylbenzene	ND		ug/kg	3.5	3.5	1
p-Ethyltoluene	ND		ug/kg	3.5	0.21	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.14	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	109		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Date Collected: 08/29/17 09:40

Client ID: SB008_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 01:27

Analyst: PD

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.28	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.36	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.0	0.32	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.37	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.34	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.31	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.18	1
Chloromethane	ND		ug/kg	5.2	0.46	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.33	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Trichloroethene	ND		ug/kg	1.0	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Date Collected: 08/29/17 09:40

Client ID: SB008_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.37	1
o-Xylene	ND		ug/kg	2.1	0.35	1
Xylenes, Total	ND		ug/kg	2.1	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.25	1
Dibromomethane	ND		ug/kg	10	0.25	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.52	1
Acetone	ND		ug/kg	10	2.4	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.72	1
Vinyl acetate	ND		ug/kg	10	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.37	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.47	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.0	0.24	1
sec-Butylbenzene	ND		ug/kg	1.0	0.23	1
tert-Butylbenzene	ND		ug/kg	5.2	0.26	1
o-Chlorotoluene	ND		ug/kg	5.2	0.23	1
p-Chlorotoluene	ND		ug/kg	5.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.36	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.21	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.17	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Date Collected: 08/29/17 09:40

Client ID: SB008_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.19	1
1,4-Dioxane	ND		ug/kg	42	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	4.2	1
p-Ethyltoluene	ND		ug/kg	4.2	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.16	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	108		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Date Collected: 08/29/17 10:00

Client ID: SB009_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 01:55

Analyst: PD

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.46	1
Chloroform	ND		ug/kg	2.5	0.62	1
Carbon tetrachloride	ND		ug/kg	1.7	0.58	1
1,2-Dichloropropane	ND		ug/kg	5.9	0.38	1
Dibromochloromethane	ND		ug/kg	1.7	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.53	1
Tetrachloroethene	ND		ug/kg	1.7	0.51	1
Chlorobenzene	ND		ug/kg	1.7	0.59	1
Trichlorofluoromethane	ND		ug/kg	8.4	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.59	1
Bromodichloromethane	ND		ug/kg	1.7	0.52	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.39	1
1,3-Dichloropropene, Total	ND		ug/kg	1.7	0.35	1
1,1-Dichloropropene	ND		ug/kg	8.4	0.55	1
Bromoform	ND		ug/kg	6.7	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.50	1
Benzene	ND		ug/kg	1.7	0.32	1
Toluene	ND		ug/kg	2.5	0.33	1
Ethylbenzene	ND		ug/kg	1.7	0.29	1
Chloromethane	ND		ug/kg	8.4	0.73	1
Bromomethane	ND		ug/kg	3.4	0.57	1
Vinyl chloride	ND		ug/kg	3.4	0.53	1
Chloroethane	ND		ug/kg	3.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.63	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.41	1
Trichloroethene	ND		ug/kg	1.7	0.51	1
1,2-Dichlorobenzene	ND		ug/kg	8.4	0.31	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Date Collected: 08/29/17 10:00

Client ID: SB009_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	8.4	0.37	1
1,4-Dichlorobenzene	ND		ug/kg	8.4	0.31	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.26	1
p/m-Xylene	ND		ug/kg	3.4	0.59	1
o-Xylene	ND		ug/kg	3.4	0.57	1
Xylenes, Total	ND		ug/kg	3.4	0.57	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.58	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.41	1
Dibromomethane	ND		ug/kg	17	0.40	1
Styrene	ND		ug/kg	3.4	0.68	1
Dichlorodifluoromethane	ND		ug/kg	17	0.84	1
Acetone	19		ug/kg	17	3.8	1
Carbon disulfide	ND		ug/kg	17	1.8	1
2-Butanone	ND		ug/kg	17	1.2	1
Vinyl acetate	ND		ug/kg	17	0.26	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.41	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.30	1
2-Hexanone	ND		ug/kg	17	1.1	1
Bromochloromethane	ND		ug/kg	8.4	0.60	1
2,2-Dichloropropane	ND		ug/kg	8.4	0.76	1
1,2-Dibromoethane	ND		ug/kg	6.7	0.34	1
1,3-Dichloropropane	ND		ug/kg	8.4	0.31	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.54	1
Bromobenzene	ND		ug/kg	8.4	0.37	1
n-Butylbenzene	ND		ug/kg	1.7	0.38	1
sec-Butylbenzene	ND		ug/kg	1.7	0.36	1
tert-Butylbenzene	ND		ug/kg	8.4	0.42	1
o-Chlorotoluene	ND		ug/kg	8.4	0.37	1
p-Chlorotoluene	ND		ug/kg	8.4	0.31	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.4	0.67	1
Hexachlorobutadiene	ND		ug/kg	8.4	0.59	1
Isopropylbenzene	ND		ug/kg	1.7	0.33	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.34	1
Naphthalene	ND		ug/kg	8.4	0.23	1
Acrylonitrile	ND		ug/kg	17	0.87	1
n-Propylbenzene	ND		ug/kg	1.7	0.36	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.4	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.4	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.4	0.27	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Date Collected: 08/29/17 10:00

Client ID: SB009_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	8.4	0.31	1
1,4-Dioxane	ND		ug/kg	67	24.	1
p-Diethylbenzene	ND		ug/kg	6.7	6.7	1
p-Ethyltoluene	ND		ug/kg	6.7	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.7	0.26	1
Ethyl ether	ND		ug/kg	8.4	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.4	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 02:22

Analyst: PD

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.5	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.42	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.5	0.53	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.48	1
Tetrachloroethene	ND		ug/kg	1.5	0.47	1
Chlorobenzene	ND		ug/kg	1.5	0.54	1
Trichlorofluoromethane	ND		ug/kg	7.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.54	1
Bromodichloromethane	ND		ug/kg	1.5	0.48	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.36	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.32	1
1,1-Dichloropropene	ND		ug/kg	7.7	0.51	1
Bromoform	ND		ug/kg	6.2	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.46	1
Benzene	ND		ug/kg	1.5	0.30	1
Toluene	ND		ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.5	0.26	1
Chloromethane	ND		ug/kg	7.7	0.67	1
Bromomethane	ND		ug/kg	3.1	0.52	1
Vinyl chloride	ND		ug/kg	3.1	0.49	1
Chloroethane	ND		ug/kg	3.1	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.57	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.37	1
Trichloroethene	ND		ug/kg	1.5	0.47	1
1,2-Dichlorobenzene	ND		ug/kg	7.7	0.28	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.7	0.34	1
1,4-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.24	1
p/m-Xylene	ND		ug/kg	3.1	0.54	1
o-Xylene	ND		ug/kg	3.1	0.52	1
Xylenes, Total	ND		ug/kg	3.1	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.53	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.37	1
Dibromomethane	ND		ug/kg	15	0.37	1
Styrene	ND		ug/kg	3.1	0.62	1
Dichlorodifluoromethane	ND		ug/kg	15	0.77	1
Acetone	4.1	J	ug/kg	15	3.5	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	1.1	1
Vinyl acetate	ND		ug/kg	15	0.24	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.27	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.7	0.55	1
2,2-Dichloropropane	ND		ug/kg	7.7	0.69	1
1,2-Dibromoethane	ND		ug/kg	6.2	0.31	1
1,3-Dichloropropane	ND		ug/kg	7.7	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.49	1
Bromobenzene	ND		ug/kg	7.7	0.34	1
n-Butylbenzene	ND		ug/kg	1.5	0.35	1
sec-Butylbenzene	ND		ug/kg	1.5	0.34	1
tert-Butylbenzene	ND		ug/kg	7.7	0.38	1
o-Chlorotoluene	ND		ug/kg	7.7	0.34	1
p-Chlorotoluene	ND		ug/kg	7.7	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.7	0.61	1
Hexachlorobutadiene	ND		ug/kg	7.7	0.54	1
Isopropylbenzene	ND		ug/kg	1.5	0.30	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.31	1
Naphthalene	ND		ug/kg	7.7	0.21	1
Acrylonitrile	ND		ug/kg	15	0.79	1
n-Propylbenzene	ND		ug/kg	1.5	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.7	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.7	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.7	0.25	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	7.7	0.29	1
1,4-Dioxane	ND		ug/kg	62	22.	1
p-Diethylbenzene	ND		ug/kg	6.2	6.2	1
p-Ethyltoluene	ND		ug/kg	6.2	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.2	0.24	1
Ethyl ether	ND		ug/kg	7.7	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	109		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11

Date Collected: 08/29/17 10:20

Client ID: SB010_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 02:50

Analyst: PD

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.28	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.36	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.32	1
Tetrachloroethene	0.61	J	ug/kg	1.0	0.31	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.36	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.34	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.31	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.18	1
Chloromethane	ND		ug/kg	5.2	0.45	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.32	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.25	1
Trichloroethene	ND		ug/kg	1.0	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11

Date Collected: 08/29/17 10:20

Client ID: SB010_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.36	1
o-Xylene	ND		ug/kg	2.1	0.35	1
Xylenes, Total	ND		ug/kg	2.1	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.25	1
Dibromomethane	ND		ug/kg	10	0.25	1
Styrene	ND		ug/kg	2.1	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.52	1
Acetone	ND		ug/kg	10	2.4	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.71	1
Vinyl acetate	ND		ug/kg	10	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.37	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.46	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.0	0.24	1
sec-Butylbenzene	ND		ug/kg	1.0	0.22	1
tert-Butylbenzene	ND		ug/kg	5.2	0.26	1
o-Chlorotoluene	ND		ug/kg	5.2	0.23	1
p-Chlorotoluene	ND		ug/kg	5.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.36	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.21	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.17	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11

Date Collected: 08/29/17 10:20

Client ID: SB010_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.19	1
1,4-Dioxane	ND		ug/kg	41	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	4.1	1
p-Ethyltoluene	ND		ug/kg	4.1	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.16	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	110		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Date Collected: 08/29/17 10:30

Client ID: SB010_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 03:17

Analyst: PD

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.35	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.44	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.39	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.54	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.45	1
Bromodichloromethane	ND		ug/kg	1.3	0.40	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.30	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.27	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.42	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.38	1
Benzene	ND		ug/kg	1.3	0.25	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.22	1
Chloromethane	ND		ug/kg	6.4	0.56	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.40	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.48	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.31	1
Trichloroethene	ND		ug/kg	1.3	0.39	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.23	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Date Collected: 08/29/17 10:30

Client ID: SB010_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.20	1
p/m-Xylene	ND		ug/kg	2.6	0.45	1
o-Xylene	ND		ug/kg	2.6	0.43	1
Xylenes, Total	ND		ug/kg	2.6	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.44	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.31	1
Dibromomethane	ND		ug/kg	13	0.31	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.64	1
Acetone	3.1	J	ug/kg	13	2.9	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.89	1
Vinyl acetate	ND		ug/kg	13	0.20	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.23	1
2-Hexanone	ND		ug/kg	13	0.86	1
Bromochloromethane	ND		ug/kg	6.4	0.46	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.58	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.26	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.29	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.4	0.32	1
o-Chlorotoluene	ND		ug/kg	6.4	0.28	1
p-Chlorotoluene	ND		ug/kg	6.4	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.45	1
Isopropylbenzene	ND		ug/kg	1.3	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.4	0.18	1
Acrylonitrile	ND		ug/kg	13	0.66	1
n-Propylbenzene	ND		ug/kg	1.3	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.21	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Date Collected: 08/29/17 10:30

Client ID: SB010_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.24	1
1,4-Dioxane	ND		ug/kg	51	18.	1
p-Diethylbenzene	ND		ug/kg	5.1	5.1	1
p-Ethyltoluene	ND		ug/kg	5.1	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.20	1
Ethyl ether	ND		ug/kg	6.4	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	109		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 03:45

Analyst: PD

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.2	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.36	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.4	0.47	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.42	1
Tetrachloroethene	1.6		ug/kg	1.4	0.41	1
Chlorobenzene	ND		ug/kg	1.4	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.56	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.47	1
Bromodichloromethane	ND		ug/kg	1.4	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.31	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.28	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.44	1
Bromoform	ND		ug/kg	5.4	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.40	1
Benzene	ND		ug/kg	1.4	0.26	1
Toluene	0.32	J	ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.4	0.23	1
Chloromethane	ND		ug/kg	6.8	0.59	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.42	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.50	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.32	1
Trichloroethene	ND		ug/kg	1.4	0.41	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.25	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.21	1
p/m-Xylene	ND		ug/kg	2.7	0.47	1
o-Xylene	ND		ug/kg	2.7	0.46	1
Xylenes, Total	ND		ug/kg	2.7	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.46	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.32	1
Dibromomethane	ND		ug/kg	14	0.32	1
Styrene	ND		ug/kg	2.7	0.54	1
Dichlorodifluoromethane	ND		ug/kg	14	0.68	1
Acetone	9.2	J	ug/kg	14	3.1	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.93	1
Vinyl acetate	ND		ug/kg	14	0.21	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.24	1
2-Hexanone	ND		ug/kg	14	0.90	1
Bromochloromethane	ND		ug/kg	6.8	0.48	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.61	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.27	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.43	1
Bromobenzene	ND		ug/kg	6.8	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.31	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	6.8	0.33	1
o-Chlorotoluene	ND		ug/kg	6.8	0.30	1
p-Chlorotoluene	ND		ug/kg	6.8	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.54	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.47	1
Isopropylbenzene	ND		ug/kg	1.4	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.27	1
Naphthalene	ND		ug/kg	6.8	0.19	1
Acrylonitrile	ND		ug/kg	14	0.69	1
n-Propylbenzene	ND		ug/kg	1.4	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.22	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.25	1
1,4-Dioxane	ND		ug/kg	54	19.	1
p-Diethylbenzene	ND		ug/kg	5.4	5.4	1
p-Ethyltoluene	ND		ug/kg	5.4	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.21	1
Ethyl ether	ND		ug/kg	6.8	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	115		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13 R
 Client ID: SB011_0-2
 Sample Location: BRONX

Date Collected: 08/29/17 10:40
 Date Received: 08/30/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:48
 Analyst: MV
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.45	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.7	0.57	1
1,2-Dichloropropane	ND		ug/kg	5.8	0.38	1
Dibromochloromethane	ND		ug/kg	1.7	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.52	1
Tetrachloroethene	ND		ug/kg	1.7	0.50	1
Chlorobenzene	ND		ug/kg	1.7	0.58	1
Trichlorofluoromethane	ND		ug/kg	8.3	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.58	1
Bromodichloromethane	ND		ug/kg	1.7	0.51	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.38	1
1,3-Dichloropropene, Total	ND		ug/kg	1.7	0.34	1
1,1-Dichloropropene	ND		ug/kg	8.3	0.54	1
Bromoform	ND		ug/kg	6.6	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.50	1
Benzene	ND		ug/kg	1.7	0.32	1
Toluene	ND		ug/kg	2.5	0.32	1
Ethylbenzene	ND		ug/kg	1.7	0.28	1
Chloromethane	ND		ug/kg	8.3	0.72	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.52	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.62	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.40	1
Trichloroethene	ND		ug/kg	1.7	0.50	1
1,2-Dichlorobenzene	ND		ug/kg	8.3	0.30	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13 R

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	8.3	0.36	1
1,4-Dichlorobenzene	ND		ug/kg	8.3	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.25	1
p/m-Xylene	ND		ug/kg	3.3	0.58	1
o-Xylene	ND		ug/kg	3.3	0.56	1
Xylenes, Total	ND		ug/kg	3.3	0.56	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.57	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.40	1
Dibromomethane	ND		ug/kg	17	0.40	1
Styrene	ND		ug/kg	3.3	0.67	1
Dichlorodifluoromethane	ND		ug/kg	17	0.83	1
Acetone	7.7	J	ug/kg	17	3.8	1
Carbon disulfide	ND		ug/kg	17	1.8	1
2-Butanone	ND		ug/kg	17	1.1	1
Vinyl acetate	ND		ug/kg	17	0.25	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.29	1
2-Hexanone	ND		ug/kg	17	1.1	1
Bromochloromethane	ND		ug/kg	8.3	0.59	1
2,2-Dichloropropane	ND		ug/kg	8.3	0.75	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.33	1
1,3-Dichloropropane	ND		ug/kg	8.3	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.53	1
Bromobenzene	ND		ug/kg	8.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.7	0.38	1
sec-Butylbenzene	ND		ug/kg	1.7	0.36	1
tert-Butylbenzene	ND		ug/kg	8.3	0.41	1
o-Chlorotoluene	ND		ug/kg	8.3	0.37	1
p-Chlorotoluene	ND		ug/kg	8.3	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.3	0.66	1
Hexachlorobutadiene	ND		ug/kg	8.3	0.58	1
Isopropylbenzene	ND		ug/kg	1.7	0.32	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.34	1
Naphthalene	ND		ug/kg	8.3	0.23	1
Acrylonitrile	ND		ug/kg	17	0.85	1
n-Propylbenzene	ND		ug/kg	1.7	0.36	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.3	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.3	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.3	0.27	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13 R

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	8.3	0.31	1
1,4-Dioxane	ND		ug/kg	66	24.	1
p-Diethylbenzene	ND		ug/kg	6.6	6.6	1
p-Ethyltoluene	ND		ug/kg	6.6	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.26	1
Ethyl ether	ND		ug/kg	8.3	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	127		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	123		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Date Collected: 08/29/17 10:50

Client ID: SB011_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 04:12

Analyst: PD

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.4	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.39	1
Chloroform	ND		ug/kg	2.2	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.50	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.33	1
Dibromochloromethane	ND		ug/kg	1.4	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.4	0.44	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.2	0.60	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.50	1
Bromodichloromethane	ND		ug/kg	1.4	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.33	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.30	1
1,1-Dichloropropene	ND		ug/kg	7.2	0.47	1
Bromoform	ND		ug/kg	5.8	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.43	1
Benzene	ND		ug/kg	1.4	0.28	1
Toluene	ND		ug/kg	2.2	0.28	1
Ethylbenzene	ND		ug/kg	1.4	0.24	1
Chloromethane	ND		ug/kg	7.2	0.63	1
Bromomethane	ND		ug/kg	2.9	0.49	1
Vinyl chloride	ND		ug/kg	2.9	0.45	1
Chloroethane	ND		ug/kg	2.9	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.54	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.35	1
Trichloroethene	ND		ug/kg	1.4	0.44	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	0.26	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Date Collected: 08/29/17 10:50

Client ID: SB011_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.2	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.22	1
p/m-Xylene	ND		ug/kg	2.9	0.50	1
o-Xylene	ND		ug/kg	2.9	0.49	1
Xylenes, Total	ND		ug/kg	2.9	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.49	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.35	1
Dibromomethane	ND		ug/kg	14	0.34	1
Styrene	ND		ug/kg	2.9	0.58	1
Dichlorodifluoromethane	ND		ug/kg	14	0.72	1
Acetone	ND		ug/kg	14	3.3	1
Carbon disulfide	ND		ug/kg	14	1.6	1
2-Butanone	ND		ug/kg	14	0.99	1
Vinyl acetate	ND		ug/kg	14	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.26	1
2-Hexanone	ND		ug/kg	14	0.96	1
Bromochloromethane	ND		ug/kg	7.2	0.51	1
2,2-Dichloropropane	ND		ug/kg	7.2	0.65	1
1,2-Dibromoethane	ND		ug/kg	5.8	0.29	1
1,3-Dichloropropane	ND		ug/kg	7.2	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.46	1
Bromobenzene	ND		ug/kg	7.2	0.32	1
n-Butylbenzene	ND		ug/kg	1.4	0.33	1
sec-Butylbenzene	ND		ug/kg	1.4	0.31	1
tert-Butylbenzene	ND		ug/kg	7.2	0.36	1
o-Chlorotoluene	ND		ug/kg	7.2	0.32	1
p-Chlorotoluene	ND		ug/kg	7.2	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	0.57	1
Hexachlorobutadiene	ND		ug/kg	7.2	0.50	1
Isopropylbenzene	ND		ug/kg	1.4	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.29	1
Naphthalene	ND		ug/kg	7.2	0.20	1
Acrylonitrile	ND		ug/kg	14	0.74	1
n-Propylbenzene	ND		ug/kg	1.4	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.2	0.23	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Date Collected: 08/29/17 10:50

Client ID: SB011_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	7.2	0.27	1
1,4-Dioxane	ND		ug/kg	58	21.	1
p-Diethylbenzene	ND		ug/kg	5.8	5.8	1
p-Ethyltoluene	ND		ug/kg	5.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.8	0.22	1
Ethyl ether	ND		ug/kg	7.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	110		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Date Collected: 08/29/17 00:00

Client ID: DUPE

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/01/17 04:40

Analyst: PD

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.29	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.37	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.32	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.37	1
Bromodichloromethane	ND		ug/kg	1.1	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.35	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	ND		ug/kg	1.1	0.21	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.18	1
Chloromethane	ND		ug/kg	5.3	0.46	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.34	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1
Trichloroethene	ND		ug/kg	1.1	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Date Collected: 08/29/17 00:00

Client ID: DUPE

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.38	1
o-Xylene	ND		ug/kg	2.1	0.36	1
Xylenes, Total	ND		ug/kg	2.1	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.36	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.26	1
Dibromomethane	ND		ug/kg	11	0.26	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.53	1
Acetone	2.6	J	ug/kg	11	2.4	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.74	1
Vinyl acetate	ND		ug/kg	11	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.38	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.48	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.24	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.3	0.26	1
o-Chlorotoluene	ND		ug/kg	5.3	0.24	1
p-Chlorotoluene	ND		ug/kg	5.3	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.37	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.17	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Date Collected: 08/29/17 00:00

Client ID: DUPE

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.20	1
1,4-Dioxane	ND		ug/kg	43	15.	1
p-Diethylbenzene	ND		ug/kg	4.3	4.3	1
p-Ethyltoluene	ND		ug/kg	4.3	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.17	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	110		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16
 Client ID: FIELD BLANK
 Sample Location: BRONX

Date Collected: 08/29/17 12:00
 Date Received: 08/30/17
 Field Prep: Not Specified

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:55
 Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16

Date Collected: 08/29/17 12:00

Client ID: FIELD BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	20		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16

Date Collected: 08/29/17 12:00

Client ID: FIELD BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17
 Client ID: EQUIPMENT BLANK
 Sample Location: BRONX

Date Collected: 08/29/17 12:12
 Date Received: 08/30/17
 Field Prep: Not Specified

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/01/17 11:18
 Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17

Date Collected: 08/29/17 12:12

Client ID: EQUIPMENT BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17

Date Collected: 08/29/17 12:12

Client ID: EQUIPMENT BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-18

Date Collected: 08/29/17 00:00

Client ID: TRIP BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 09/01/17 10:23

Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-18

Date Collected: 08/29/17 00:00

Client ID: TRIP BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-18

Date Collected: 08/29/17 00:00

Client ID: TRIP BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-19
 Client ID: TRIP BLANK 2
 Sample Location: BRONX

Date Collected: 08/29/17 00:00
 Date Received: 08/30/17
 Field Prep: Not Specified

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/01/17 10:51
 Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-19
 Client ID: TRIP BLANK 2
 Sample Location: BRONX

Date Collected: 08/29/17 00:00
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-19

Date Collected: 08/29/17 00:00

Client ID: TRIP BLANK 2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	91		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:21
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 13 Batch: WG1037755-12					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:21
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 13 Batch: WG1037755-12					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	2.5	J	ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:21
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 13 Batch: WG1037755-12					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	106		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/17 20:46
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-15 Batch: WG1037755-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/17 20:46
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-15 Batch: WG1037755-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/17 20:46
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-15 Batch: WG1037755-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:28
 Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-19 Batch: WG1037872-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:28
 Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-19 Batch: WG1037872-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/01/17 09:28
 Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-19 Batch: WG1037872-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 13 Batch: WG1037755-10 WG1037755-11								
Methylene chloride	96		92		70-130	4		30
1,1-Dichloroethane	91		89		70-130	2		30
Chloroform	91		89		70-130	2		30
Carbon tetrachloride	93		88		70-130	6		30
1,2-Dichloropropane	90		90		70-130	0		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	112		106		70-130	6		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	98		96		70-139	2		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	93		90		70-130	3		30
Bromodichloromethane	88		88		70-130	0		30
trans-1,3-Dichloropropene	87		88		70-130	1		30
cis-1,3-Dichloropropene	88		89		70-130	1		30
1,1-Dichloropropene	90		86		70-130	5		30
Bromoform	94		96		70-130	2		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	94		93		70-130	1		30
Toluene	99		97		70-130	2		30
Ethylbenzene	100		97		70-130	3		30
Chloromethane	64		61		52-130	5		30
Bromomethane	80		75		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 13 Batch: WG1037755-10 WG1037755-11								
Vinyl chloride	73		69		67-130	6		30
Chloroethane	85		82		50-151	4		30
1,1-Dichloroethene	83		80		65-135	4		30
trans-1,2-Dichloroethene	94		91		70-130	3		30
Trichloroethene	99		96		70-130	3		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	102		98		70-130	4		30
Methyl tert butyl ether	81		82		66-130	1		30
p/m-Xylene	101		98		70-130	3		30
o-Xylene	97		96		70-130	1		30
cis-1,2-Dichloroethene	94		92		70-130	2		30
Dibromomethane	89		90		70-130	1		30
Styrene	98		95		70-130	3		30
Dichlorodifluoromethane	62		58		30-146	7		30
Acetone	84		85		54-140	1		30
Carbon disulfide	52	Q	49	Q	59-130	6		30
2-Butanone	82		82		70-130	0		30
Vinyl acetate	85		87		70-130	2		30
4-Methyl-2-pentanone	77		82		70-130	6		30
1,2,3-Trichloropropane	84		87		68-130	4		30
2-Hexanone	71		76		70-130	7		30
Bromochloromethane	98		96		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 13 Batch: WG1037755-10 WG1037755-11								
2,2-Dichloropropane	92		90		70-130	2		30
1,2-Dibromoethane	92		95		70-130	3		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	100		97		70-130	3		30
Bromobenzene	101		100		70-130	1		30
n-Butylbenzene	103		99		70-130	4		30
sec-Butylbenzene	102		99		70-130	3		30
tert-Butylbenzene	100		97		70-130	3		30
o-Chlorotoluene	95		93		70-130	2		30
p-Chlorotoluene	95		92		70-130	3		30
1,2-Dibromo-3-chloropropane	83		88		68-130	6		30
Hexachlorobutadiene	106		101		67-130	5		30
Isopropylbenzene	98		97		70-130	1		30
p-Isopropyltoluene	104		101		70-130	3		30
Naphthalene	86		90		70-130	5		30
Acrylonitrile	93		93		70-130	0		30
n-Propylbenzene	100		98		70-130	2		30
1,2,3-Trichlorobenzene	101		100		70-130	1		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	103		99		70-130	4		30
1,2,4-Trimethylbenzene	101		99		70-130	2		30
1,4-Dioxane	69		74		65-136	7		30
p-Diethylbenzene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 13 Batch: WG1037755-10 WG1037755-11								
p-Ethyltoluene	102		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	98		96		70-130	2		30
Ethyl ether	84		84		67-130	0		30
trans-1,4-Dichloro-2-butene	80		76		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	89		88		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 Batch: WG1037755-3 WG1037755-4								
Methylene chloride	88		86		70-130	2		30
1,1-Dichloroethane	86		83		70-130	4		30
Chloroform	84		83		70-130	1		30
Carbon tetrachloride	84		84		70-130	0		30
1,2-Dichloropropane	86		86		70-130	0		30
Dibromochloromethane	89		90		70-130	1		30
1,1,2-Trichloroethane	92		91		70-130	1		30
Tetrachloroethene	106		101		70-130	5		30
Chlorobenzene	93		91		70-130	2		30
Trichlorofluoromethane	86		84		70-139	2		30
1,2-Dichloroethane	78		77		70-130	1		30
1,1,1-Trichloroethane	87		86		70-130	1		30
Bromodichloromethane	84		84		70-130	0		30
trans-1,3-Dichloropropene	84		85		70-130	1		30
cis-1,3-Dichloropropene	83		83		70-130	0		30
1,1-Dichloropropene	85		84		70-130	1		30
Bromoform	92		92		70-130	0		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	88		87		70-130	1		30
Toluene	94		91		70-130	3		30
Ethylbenzene	94		92		70-130	2		30
Chloromethane	57		58		52-130	2		30
Bromomethane	69		66		57-147	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 Batch: WG1037755-3 WG1037755-4								
Vinyl chloride	65	Q	64	Q	67-130	2		30
Chloroethane	69		61		50-151	12		30
1,1-Dichloroethene	89		86		65-135	3		30
trans-1,2-Dichloroethene	86		85		70-130	1		30
Trichloroethene	91		91		70-130	0		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	94		92		70-130	2		30
Methyl tert butyl ether	78		79		66-130	1		30
p/m-Xylene	95		92		70-130	3		30
o-Xylene	93		90		70-130	3		30
cis-1,2-Dichloroethene	89		87		70-130	2		30
Dibromomethane	86		85		70-130	1		30
Styrene	91		88		70-130	3		30
Dichlorodifluoromethane	58		55		30-146	5		30
Acetone	74		88		54-140	17		30
Carbon disulfide	56	Q	54	Q	59-130	4		30
2-Butanone	82		98		70-130	18		30
Vinyl acetate	82		81		70-130	1		30
4-Methyl-2-pentanone	78		80		70-130	3		30
1,2,3-Trichloropropane	85		85		68-130	0		30
2-Hexanone	72		77		70-130	7		30
Bromochloromethane	92		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 Batch: WG1037755-3 WG1037755-4								
2,2-Dichloropropane	86		84		70-130	2		30
1,2-Dibromoethane	89		91		70-130	2		30
1,3-Dichloropropane	87		86		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	94		93		70-130	1		30
sec-Butylbenzene	96		93		70-130	3		30
tert-Butylbenzene	94		93		70-130	1		30
o-Chlorotoluene	86		86		70-130	0		30
p-Chlorotoluene	90		87		70-130	3		30
1,2-Dibromo-3-chloropropane	85		89		68-130	5		30
Hexachlorobutadiene	91		93		67-130	2		30
Isopropylbenzene	94		92		70-130	2		30
p-Isopropyltoluene	97		95		70-130	2		30
Naphthalene	83		87		70-130	5		30
Acrylonitrile	91		93		70-130	2		30
n-Propylbenzene	94		92		70-130	2		30
1,2,3-Trichlorobenzene	90		93		70-130	3		30
1,2,4-Trichlorobenzene	91		93		70-130	2		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	95		92		70-130	3		30
1,4-Dioxane	73		80		65-136	9		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 Batch: WG1037755-3 WG1037755-4								
p-Ethyltoluene	96		93		70-130	3		30
1,2,4,5-Tetramethylbenzene	91		91		70-130	0		30
Ethyl ether	73		74		67-130	1		30
trans-1,4-Dichloro-2-butene	71		76		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		89		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	89		90		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19 Batch: WG1037872-3 WG1037872-4								
Methylene chloride	86		84		70-130	2		20
1,1-Dichloroethane	92		88		70-130	4		20
Chloroform	92		88		70-130	4		20
Carbon tetrachloride	86		82		63-132	5		20
1,2-Dichloropropane	97		93		70-130	4		20
Dibromochloromethane	92		91		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	89		87		70-130	2		20
Chlorobenzene	97		95		75-130	2		20
Trichlorofluoromethane	74		71		62-150	4		20
1,2-Dichloroethane	91		88		70-130	3		20
1,1,1-Trichloroethane	84		80		67-130	5		20
Bromodichloromethane	90		87		67-130	3		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	91		88		70-130	3		20
1,1-Dichloropropene	86		83		70-130	4		20
Bromoform	91		90		54-136	1		20
1,1,1,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	89		85		70-130	5		20
Toluene	98		95		70-130	3		20
Ethylbenzene	100		96		70-130	4		20
Chloromethane	64		61	Q	64-130	5		20
Bromomethane	31	Q	29	Q	39-139	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19 Batch: WG1037872-3 WG1037872-4								
Vinyl chloride	84		80		55-140	5		20
Chloroethane	84		79		55-138	6		20
1,1-Dichloroethene	77		74		61-145	4		20
trans-1,2-Dichloroethene	84		79		70-130	6		20
Trichloroethene	89		86		70-130	3		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	86		84		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	88		85		70-130	3		20
Dibromomethane	84		81		70-130	4		20
1,2,3-Trichloropropane	110		100		64-130	10		20
Acrylonitrile	95		91		70-130	4		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	76		72		36-147	5		20
Acetone	76		72		58-148	5		20
Carbon disulfide	78		75		51-130	4		20
2-Butanone	93		90		63-138	3		20
Vinyl acetate	92		88		70-130	4		20
4-Methyl-2-pentanone	94		95		59-130	1		20
2-Hexanone	100		100		57-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19 Batch: WG1037872-3 WG1037872-4								
Bromochloromethane	90		86		70-130	5		20
2,2-Dichloropropane	93		88		63-133	6		20
1,2-Dibromoethane	91		89		70-130	2		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	96		94		64-130	2		20
Bromobenzene	100		97		70-130	3		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	100		99		70-130	1		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	88		90		41-144	2		20
Hexachlorobutadiene	94		87		63-130	8		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	97		93		70-130	4		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	95		91		70-130	4		20
1,2,4-Trichlorobenzene	98		93		70-130	5		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	88		84		56-162	5		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19 Batch: WG1037872-3 WG1037872-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		20
Ethyl ether	82		80		59-134	2		20
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	104		106		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	93		92		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037755-6 WG1037755-7 QC Sample: L1730588-03 Client ID: SB006_0-2												
Methylene chloride	ND	21.2	22	102		42	144	Q	70-130	64	Q	30
1,1-Dichloroethane	ND	21.2	22	103		43	148	Q	70-130	66	Q	30
Chloroform	ND	21.2	21	99		42	145	Q	70-130	67	Q	30
Carbon tetrachloride	ND	21.2	21	98		46	156	Q	70-130	75	Q	30
1,2-Dichloropropane	ND	21.2	21	97		43	146	Q	70-130	70	Q	30
Dibromochloromethane	ND	21.2	20	92		44	149	Q	70-130	76	Q	30
1,1,2-Trichloroethane	ND	21.2	21	98		45	154	Q	70-130	73	Q	30
Tetrachloroethene	0.38J	21.2	24	112		55	189	Q	70-130	80	Q	30
Chlorobenzene	ND	21.2	17	79		42	142	Q	70-130	85	Q	30
Trichlorofluoromethane	ND	21.2	23	107		46	157	Q	70-139	67	Q	30
1,2-Dichloroethane	ND	21.2	19	89		37	128		70-130	66	Q	30
1,1,1-Trichloroethane	ND	21.2	22	104		46	156	Q	70-130	70	Q	30
Bromodichloromethane	ND	21.2	20	94		41	139	Q	70-130	68	Q	30
trans-1,3-Dichloropropene	ND	21.2	17	81		37	126		70-130	73	Q	30
cis-1,3-Dichloropropene	ND	21.2	18	86		38	131	Q	70-130	71	Q	30
1,1-Dichloropropene	ND	21.2	19	88		42	145	Q	70-130	78	Q	30
Bromoform	ND	21.2	19	91		50	170	Q	70-130	88	Q	30
1,1,2,2-Tetrachloroethane	ND	21.2	20	93		47	161	Q	70-130	82	Q	30
Benzene	ND	21.2	21	100		43	146	Q	70-130	68	Q	30
Toluene	ND	21.2	20	95		46	157	Q	70-130	78	Q	30
Ethylbenzene	ND	21.2	17	81		45	153	Q	70-130	89	Q	30
Chloromethane	ND	21.2	16	77		31	106		52-130	62	Q	30
Bromomethane	ND	21.2	19	89		34	115		57-147	56	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037755-6 WG1037755-7 QC Sample: L1730588-03 Client ID: SB006_0-2												
Vinyl chloride	ND	21.2	18	84		34	117		67-130	63	Q	30
Chloroethane	ND	21.2	16	77		34	116		50-151	70	Q	30
1,1-Dichloroethene	ND	21.2	23	108		45	154	Q	65-135	65	Q	30
trans-1,2-Dichloroethene	ND	21.2	21	100		41	141	Q	70-130	64	Q	30
Trichloroethene	ND	21.2	20	94		43	148	Q	70-130	74	Q	30
1,2-Dichlorobenzene	ND	21.2	14	68	Q	39	134	Q	70-130	93	Q	30
1,3-Dichlorobenzene	ND	21.2	12	58	Q	39	134	Q	70-130	104	Q	30
1,4-Dichlorobenzene	ND	21.2	13	59	Q	36	122		70-130	96	Q	30
Methyl tert butyl ether	ND	21.2	19	90		39	134	Q	66-130	69	Q	30
p/m-Xylene	ND	42.4	34	81		87	149	Q	70-130	87	Q	30
o-Xylene	ND	42.4	35	83		87	148	Q	70-130	84	Q	30
cis-1,2-Dichloroethene	ND	21.2	21	101		43	146	Q	70-130	67	Q	30
Dibromomethane	ND	21.2	20	92		39	132	Q	70-130	66	Q	30
Styrene	ND	42.4	30	70		70	120		70-130	82	Q	30
Dichlorodifluoromethane	ND	21.2	16	74		30	101		30-146	61	Q	30
Acetone	ND	21.2	22	101		37	126		54-140	53	Q	30
Carbon disulfide	ND	21.2	14	64		26	90		59-130	64	Q	30
2-Butanone	ND	21.2	18	87		37	128		70-130	68	Q	30
Vinyl acetate	ND	21.2	8.9J	42	Q	14.J	48	Q	70-130	45	Q	30
4-Methyl-2-pentanone	ND	21.2	17	82		39	134	Q	70-130	77	Q	30
1,2,3-Trichloropropane	ND	21.2	19	89		45	153	Q	68-130	81	Q	30
2-Hexanone	ND	21.2	16	74		35	119		70-130	76	Q	30
Bromochloromethane	ND	21.2	22	105		43	146	Q	70-130	63	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037755-6 WG1037755-7 QC Sample: L1730588-03 Client ID: SB006_0-2												
2,2-Dichloropropane	ND	21.2	23	106		45	155	Q	70-130	67	Q	30
1,2-Dibromoethane	ND	21.2	19	91		40	138	Q	70-130	71	Q	30
1,3-Dichloropropane	ND	21.2	20	92		41	141	Q	69-130	72	Q	30
1,1,1,2-Tetrachloroethane	ND	21.2	20	96		47	160	Q	70-130	78	Q	30
Bromobenzene	ND	21.2	15	71		44	151	Q	70-130	98	Q	30
n-Butylbenzene	ND	21.2	11	50	Q	35	119		70-130	106	Q	30
sec-Butylbenzene	ND	21.2	13	63	Q	44	151	Q	70-130	107	Q	30
tert-Butylbenzene	ND	21.2	15	72		49	166	Q	70-130	104	Q	30
o-Chlorotoluene	ND	21.2	12	58	Q	39	133	Q	70-130	104	Q	30
p-Chlorotoluene	ND	21.2	13	63	Q	40	136	Q	70-130	100	Q	30
1,2-Dibromo-3-chloropropane	ND	21.2	17	79		41	139	Q	68-130	83	Q	30
Hexachlorobutadiene	ND	21.2	9.1	43	Q	20	70		67-130	77	Q	30
Isopropylbenzene	ND	21.2	17	78		53	182	Q	70-130	105	Q	30
p-Isopropyltoluene	ND	21.2	13	62	Q	43	147	Q	70-130	106	Q	30
Naphthalene	ND	21.2	8.1	38	Q	18	62	Q	70-130	77	Q	30
Acrylonitrile	ND	21.2	20	93		36	123		70-130	58	Q	30
n-Propylbenzene	ND	21.2	14	66	Q	47	161	Q	70-130	108	Q	30
1,2,3-Trichlorobenzene	ND	21.2	8.4	39	Q	20	69	Q	70-130	83	Q	30
1,2,4-Trichlorobenzene	ND	21.2	9.0	42	Q	24	80		70-130	89	Q	30
1,3,5-Trimethylbenzene	ND	21.2	16	74		49	166	Q	70-130	103	Q	30
1,2,4-Trimethylbenzene	ND	21.2	15	70		46	158	Q	70-130	103	Q	30
1,4-Dioxane	ND	1060	1100	102		1100	76		65-136	3		30
p-Diethylbenzene	ND	21.2	12	56	Q	39	134	Q	70-130	106	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037755-6 WG1037755-7 QC Sample: L1730588-03 Client ID: SB006_0-2												
p-Ethyltoluene	ND	21.2	15	69	Q	48	162	Q	70-130	106	Q	30
1,2,4,5-Tetramethylbenzene	ND	21.2	12	54	Q	34	118		70-130	100	Q	30
Ethyl ether	ND	21.2	18	83		35	119		67-130	65	Q	30
trans-1,4-Dichloro-2-butene	ND	21.2	13	61	Q	32	110		70-130	85	Q	30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		87		70-130
4-Bromofluorobenzene	90		98		70-130
Dibromofluoromethane	100		98		70-130
Toluene-d8	99		102		70-130

SEMIVOLATILES

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Date Collected: 08/29/17 07:45

Client ID: SB005_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 05:51

Analytical Date: 09/01/17 09:53

Analyst: SZ

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Date Collected: 08/29/17 07:45

Client ID: SB005_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	50	J	ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	33	J	ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Date Collected: 08/29/17 07:45

Client ID: SB005_0-2

Date Received: 08/30/17

Sample Location: BRONX

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	90		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	85		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Client ID: SB005_7-9

Sample Location: BRONX

Date Collected: 08/29/17 07:50

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 08/31/17 05:51

Matrix: Soil

Analytical Method: 1,8270D

Analytical Date: 09/01/17 10:18

Analyst: SZ

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Date Collected: 08/29/17 07:50

Client ID: SB005_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Date Collected: 08/29/17 07:50

Client ID: SB005_7-9

Date Received: 08/30/17

Sample Location: BRONX

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	93		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	87		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Date Collected: 08/29/17 08:00

Client ID: SB006_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 05:51

Analytical Date: 09/01/17 09:27

Analyst: SZ

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	1500		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	540		ug/kg	180	32.	1
1,3-Dichlorobenzene	53	J	ug/kg	180	31.	1
1,4-Dichlorobenzene	160	J	ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	80	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	81	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Date Collected: 08/29/17 08:00

Client ID: SB006_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	61	J	ug/kg	110	20.	1
Benzo(a)pyrene	91	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	120		ug/kg	110	30.	1
Benzo(k)fluoranthene	34	J	ug/kg	110	28.	1
Chrysene	70	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	69	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	36	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	70	J	ug/kg	140	25.	1
Pyrene	350		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	80	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	350		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	82	J	ug/kg	180	27.	1
2-Methylphenol	140	J	ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	230	J	ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Date Collected: 08/29/17 08:00

Client ID: SB006_0-2

Date Received: 08/30/17

Sample Location: BRONX

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	88		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	90		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Date Collected: 08/29/17 08:10

Client ID: SB006_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 05:51

Analytical Date: 09/01/17 10:43

Analyst: SZ

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Date Collected: 08/29/17 08:10

Client ID: SB006_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Date Collected: 08/29/17 08:10

Client ID: SB006_7-9

Date Received: 08/30/17

Sample Location: BRONX

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	86		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	85		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Date Collected: 08/29/17 09:00

Client ID: SB007_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 05:51

Analytical Date: 09/01/17 11:09

Analyst: SZ

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	320		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Date Collected: 08/29/17 09:00

Client ID: SB007_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	310		ug/kg	100	20.	1
Benzo(a)pyrene	380		ug/kg	140	43.	1
Benzo(b)fluoranthene	540		ug/kg	100	30.	1
Benzo(k)fluoranthene	170		ug/kg	100	28.	1
Chrysene	310		ug/kg	100	18.	1
Acenaphthylene	92	J	ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	270		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	56	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	67	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	300		ug/kg	140	25.	1
Pyrene	270		ug/kg	100	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Date Collected: 08/29/17 09:00

Client ID: SB007_0-2

Date Received: 08/30/17

Sample Location: BRONX

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	95		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	99		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Date Collected: 08/29/17 09:10

Client ID: SB007_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 05:51

Analytical Date: 09/01/17 11:34

Analyst: SZ

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	19	J	ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Date Collected: 08/29/17 09:10

Client ID: SB007_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	18	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Date Collected: 08/29/17 09:10

Client ID: SB007_7-9

Date Received: 08/30/17

Sample Location: BRONX

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	101		25-120
Phenol-d6	107		10-120
Nitrobenzene-d5	121	Q	23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	98		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Date Collected: 08/29/17 09:30

Client ID: SB008_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 05:51

Analytical Date: 09/01/17 12:00

Analyst: SZ

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	71	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	2000		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	120	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Date Collected: 08/29/17 09:30

Client ID: SB008_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1900		ug/kg	120	22.	1
Benzo(a)pyrene	1800		ug/kg	160	48.	1
Benzo(b)fluoranthene	1800		ug/kg	120	33.	1
Benzo(k)fluoranthene	610		ug/kg	120	31.	1
Chrysene	2300		ug/kg	120	20.	1
Acenaphthylene	130	J	ug/kg	160	30.	1
Anthracene	300		ug/kg	120	38.	1
Benzo(ghi)perylene	940		ug/kg	160	23.	1
Fluorene	70	J	ug/kg	200	19.	1
Phenanthrene	1000		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	290		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	890		ug/kg	160	27.	1
Pyrene	3000		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	32	J	ug/kg	200	18.	1
2-Methylnaphthalene	120	J	ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	29.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	92	J	ug/kg	200	19.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Date Collected: 08/29/17 09:30

Client ID: SB008_0-2

Date Received: 08/30/17

Sample Location: BRONX

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	75		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	80		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Date Collected: 08/29/17 09:40

Client ID: SB008_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 06:34

Analytical Date: 09/01/17 12:25

Analyst: SZ

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Date Collected: 08/29/17 09:40

Client ID: SB008_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Date Collected: 08/29/17 09:40

Client ID: SB008_12-14

Date Received: 08/30/17

Sample Location: BRONX

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	104		25-120
Phenol-d6	110		10-120
Nitrobenzene-d5	124	Q	23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	104		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Date Collected: 08/29/17 10:00

Client ID: SB009_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 06:46

Analytical Date: 09/01/17 13:29

Analyst: CB

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1700		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	34	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	210		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Date Collected: 08/29/17 10:00

Client ID: SB009_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1100		ug/kg	110	20.	1
Benzo(a)pyrene	1100		ug/kg	140	44.	1
Benzo(b)fluoranthene	1500		ug/kg	110	31.	1
Benzo(k)fluoranthene	440		ug/kg	110	29.	1
Chrysene	960		ug/kg	110	19.	1
Acenaphthylene	200		ug/kg	140	28.	1
Anthracene	280		ug/kg	110	36.	1
Benzo(ghi)perylene	690		ug/kg	140	21.	1
Fluorene	66	J	ug/kg	180	18.	1
Phenanthrene	780		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	180		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	790		ug/kg	140	25.	1
Pyrene	1400		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	28	J	ug/kg	180	17.	1
2-Methylnaphthalene	30	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	91	J	ug/kg	180	18.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Date Collected: 08/29/17 10:00

Client ID: SB009_0-2

Date Received: 08/30/17

Sample Location: BRONX

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	88		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	71		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 06:47

Analytical Date: 09/01/17 12:50

Analyst: SZ

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	76		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11 D
 Client ID: SB010_0-2
 Sample Location: BRONX

Date Collected: 08/29/17 10:20

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 08/31/17 06:48

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/17 13:54
 Analyst: CB
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	570	74.	4
1,2,4-Trichlorobenzene	ND		ug/kg	710	82.	4
Hexachlorobenzene	ND		ug/kg	430	80.	4
Bis(2-chloroethyl)ether	ND		ug/kg	640	97.	4
2-Chloronaphthalene	ND		ug/kg	710	71.	4
1,2-Dichlorobenzene	ND		ug/kg	710	130	4
1,3-Dichlorobenzene	ND		ug/kg	710	120	4
1,4-Dichlorobenzene	ND		ug/kg	710	120	4
3,3'-Dichlorobenzidine	ND		ug/kg	710	190	4
2,4-Dinitrotoluene	ND		ug/kg	710	140	4
2,6-Dinitrotoluene	ND		ug/kg	710	120	4
Fluoranthene	460		ug/kg	430	82.	4
4-Chlorophenyl phenyl ether	ND		ug/kg	710	76.	4
4-Bromophenyl phenyl ether	ND		ug/kg	710	110	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	860	120	4
Bis(2-chloroethoxy)methane	ND		ug/kg	770	71.	4
Hexachlorobutadiene	ND		ug/kg	710	100	4
Hexachlorocyclopentadiene	ND		ug/kg	2000	640	4
Hexachloroethane	ND		ug/kg	570	120	4
Isophorone	ND		ug/kg	640	92.	4
Naphthalene	ND		ug/kg	710	87.	4
Nitrobenzene	ND		ug/kg	640	100	4
NDPA/DPA	ND		ug/kg	570	81.	4
n-Nitrosodi-n-propylamine	ND		ug/kg	710	110	4
Bis(2-ethylhexyl)phthalate	ND		ug/kg	710	250	4
Butyl benzyl phthalate	ND		ug/kg	710	180	4
Di-n-butylphthalate	ND		ug/kg	710	140	4
Di-n-octylphthalate	ND		ug/kg	710	240	4
Diethyl phthalate	ND		ug/kg	710	66.	4
Dimethyl phthalate	ND		ug/kg	710	150	4

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11 D

Date Collected: 08/29/17 10:20

Client ID: SB010_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	280	J	ug/kg	430	80.	4
Benzo(a)pyrene	270	J	ug/kg	570	170	4
Benzo(b)fluoranthene	360	J	ug/kg	430	120	4
Benzo(k)fluoranthene	120	J	ug/kg	430	110	4
Chrysene	260	J	ug/kg	430	74.	4
Acenaphthylene	ND		ug/kg	570	110	4
Anthracene	ND		ug/kg	430	140	4
Benzo(ghi)perylene	190	J	ug/kg	570	84.	4
Fluorene	ND		ug/kg	710	69.	4
Phenanthrene	170	J	ug/kg	430	87.	4
Dibenzo(a,h)anthracene	ND		ug/kg	430	82.	4
Indeno(1,2,3-cd)pyrene	200	J	ug/kg	570	99.	4
Pyrene	380	J	ug/kg	430	71.	4
Biphenyl	ND		ug/kg	1600	160	4
4-Chloroaniline	ND		ug/kg	710	130	4
2-Nitroaniline	ND		ug/kg	710	140	4
3-Nitroaniline	ND		ug/kg	710	130	4
4-Nitroaniline	ND		ug/kg	710	300	4
Dibenzofuran	ND		ug/kg	710	67.	4
2-Methylnaphthalene	ND		ug/kg	860	86.	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	710	74.	4
Acetophenone	ND		ug/kg	710	88.	4
2,4,6-Trichlorophenol	ND		ug/kg	430	140	4
p-Chloro-m-cresol	ND		ug/kg	710	110	4
2-Chlorophenol	ND		ug/kg	710	84.	4
2,4-Dichlorophenol	ND		ug/kg	640	110	4
2,4-Dimethylphenol	ND		ug/kg	710	240	4
2-Nitrophenol	ND		ug/kg	1500	270	4
4-Nitrophenol	ND		ug/kg	1000	290	4
2,4-Dinitrophenol	ND		ug/kg	3400	330	4
4,6-Dinitro-o-cresol	ND		ug/kg	1800	340	4
Pentachlorophenol	ND		ug/kg	570	160	4
Phenol	ND		ug/kg	710	110	4
2-Methylphenol	ND		ug/kg	710	110	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	110	4
2,4,5-Trichlorophenol	ND		ug/kg	710	140	4
Benzoic Acid	ND		ug/kg	2300	720	4
Benzyl Alcohol	ND		ug/kg	710	220	4
Carbazole	ND		ug/kg	710	69.	4

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11 D

Date Collected: 08/29/17 10:20

Client ID: SB010_0-2

Date Received: 08/30/17

Sample Location: BRONX

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	98		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	73		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Date Collected: 08/29/17 10:30

Client ID: SB010_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 06:49

Analytical Date: 09/01/17 13:16

Analyst: SZ

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Date Collected: 08/29/17 10:30

Client ID: SB010_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Date Collected: 08/29/17 10:30

Client ID: SB010_12-14

Date Received: 08/30/17

Sample Location: BRONX

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	94		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	87		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13 D
 Client ID: SB011_0-2
 Sample Location: BRONX

Date Collected: 08/29/17 10:40

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 08/31/17 06:55

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/17 14:20
 Analyst: CB
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	600	78.	4
1,2,4-Trichlorobenzene	ND		ug/kg	760	86.	4
Hexachlorobenzene	ND		ug/kg	450	85.	4
Bis(2-chloroethyl)ether	ND		ug/kg	680	100	4
2-Chloronaphthalene	ND		ug/kg	760	75.	4
1,2-Dichlorobenzene	ND		ug/kg	760	140	4
1,3-Dichlorobenzene	ND		ug/kg	760	130	4
1,4-Dichlorobenzene	ND		ug/kg	760	130	4
3,3'-Dichlorobenzidine	ND		ug/kg	760	200	4
2,4-Dinitrotoluene	ND		ug/kg	760	150	4
2,6-Dinitrotoluene	ND		ug/kg	760	130	4
Fluoranthene	730		ug/kg	450	87.	4
4-Chlorophenyl phenyl ether	ND		ug/kg	760	81.	4
4-Bromophenyl phenyl ether	ND		ug/kg	760	120	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	910	130	4
Bis(2-chloroethoxy)methane	ND		ug/kg	820	76.	4
Hexachlorobutadiene	ND		ug/kg	760	110	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	680	4
Hexachloroethane	ND		ug/kg	600	120	4
Isophorone	ND		ug/kg	680	98.	4
Naphthalene	ND		ug/kg	760	92.	4
Nitrobenzene	ND		ug/kg	680	110	4
NDPA/DPA	ND		ug/kg	600	86.	4
n-Nitrosodi-n-propylamine	ND		ug/kg	760	120	4
Bis(2-ethylhexyl)phthalate	ND		ug/kg	760	260	4
Butyl benzyl phthalate	ND		ug/kg	760	190	4
Di-n-butylphthalate	ND		ug/kg	760	140	4
Di-n-octylphthalate	ND		ug/kg	760	260	4
Diethyl phthalate	ND		ug/kg	760	70.	4
Dimethyl phthalate	ND		ug/kg	760	160	4

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13 D

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	820		ug/kg	450	85.	4
Benzo(a)pyrene	910		ug/kg	600	180	4
Benzo(b)fluoranthene	1200		ug/kg	450	130	4
Benzo(k)fluoranthene	350	J	ug/kg	450	120	4
Chrysene	730		ug/kg	450	79.	4
Acenaphthylene	ND		ug/kg	600	120	4
Anthracene	ND		ug/kg	450	150	4
Benzo(ghi)perylene	550	J	ug/kg	600	89.	4
Fluorene	ND		ug/kg	760	73.	4
Phenanthrene	210	J	ug/kg	450	92.	4
Dibenzo(a,h)anthracene	ND		ug/kg	450	87.	4
Indeno(1,2,3-cd)pyrene	610		ug/kg	600	100	4
Pyrene	760		ug/kg	450	75.	4
Biphenyl	ND		ug/kg	1700	180	4
4-Chloroaniline	ND		ug/kg	760	140	4
2-Nitroaniline	ND		ug/kg	760	140	4
3-Nitroaniline	ND		ug/kg	760	140	4
4-Nitroaniline	ND		ug/kg	760	310	4
Dibenzofuran	ND		ug/kg	760	71.	4
2-Methylnaphthalene	ND		ug/kg	910	91.	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	760	79.	4
Acetophenone	ND		ug/kg	760	94.	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
p-Chloro-m-cresol	ND		ug/kg	760	110	4
2-Chlorophenol	ND		ug/kg	760	89.	4
2,4-Dichlorophenol	ND		ug/kg	680	120	4
2,4-Dimethylphenol	ND		ug/kg	760	250	4
2-Nitrophenol	ND		ug/kg	1600	280	4
4-Nitrophenol	ND		ug/kg	1000	310	4
2,4-Dinitrophenol	ND		ug/kg	3600	350	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	360	4
Pentachlorophenol	ND		ug/kg	600	170	4
Phenol	ND		ug/kg	760	110	4
2-Methylphenol	ND		ug/kg	760	120	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	120	4
2,4,5-Trichlorophenol	ND		ug/kg	760	140	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	760	230	4
Carbazole	ND		ug/kg	760	73.	4

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13 D

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

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	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	67		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Date Collected: 08/29/17 10:50

Client ID: SB011_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/17 06:56

Analytical Date: 09/01/17 13:42

Analyst: SZ

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Date Collected: 08/29/17 10:50

Client ID: SB011_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Date Collected: 08/29/17 10:50

Client ID: SB011_12-14

Date Received: 08/30/17

Sample Location: BRONX

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	86		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	87		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Client ID: DUPE

Sample Location: BRONX

Date Collected: 08/29/17 00:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 08/31/17 06:56

Matrix: Soil

Analytical Method: 1,8270D

Analytical Date: 09/01/17 14:07

Analyst: SZ

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Date Collected: 08/29/17 00:00

Client ID: DUPE

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Date Collected: 08/29/17 00:00

Client ID: DUPE

Date Received: 08/30/17

Sample Location: BRONX

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	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	86		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16

Date Collected: 08/29/17 12:00

Client ID: FIELD BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 08/31/17 14:27

Analytical Date: 09/01/17 15:47

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.59	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16

Date Collected: 08/29/17 12:00

Client ID: FIELD BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16

Date Collected: 08/29/17 12:00

Client ID: FIELD BLANK

Date Received: 08/30/17

Sample Location: BRONX

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	36		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	97		41-149

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17
 Client ID: EQUIPMENT BLANK
 Sample Location: BRONX

Date Collected: 08/29/17 12:12
 Date Received: 08/30/17
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 14:27

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/01/17 15:18
 Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.59	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17

Date Collected: 08/29/17 12:12

Client ID: EQUIPMENT BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17

Date Collected: 08/29/17 12:12

Client ID: EQUIPMENT BLANK

Date Received: 08/30/17

Sample Location: BRONX

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	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	61		41-149

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/31/17 09:52
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 08/31/17 04:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-15 Batch: WG1037181-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/31/17 09:52
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 08/31/17 04:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-15 Batch: WG1037181-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/31/17 09:52
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 08/31/17 04:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-15 Batch: WG1037181-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	54		18-120

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/01/17 13:53
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 14:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16-17 Batch: WG1037435-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/01/17 13:53
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 14:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16-17 Batch: WG1037435-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/01/17 13:53
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 14:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16-17 Batch: WG1037435-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 Batch: WG1037181-2 WG1037181-3								
Acenaphthene	53		67		31-137	23		50
1,2,4-Trichlorobenzene	47		60		38-107	24		50
Hexachlorobenzene	60		76		40-140	24		50
Bis(2-chloroethyl)ether	45		57		40-140	24		50
2-Chloronaphthalene	53		66		40-140	22		50
1,2-Dichlorobenzene	44		56		40-140	24		50
1,3-Dichlorobenzene	44		56		40-140	24		50
1,4-Dichlorobenzene	44		56		28-104	24		50
3,3'-Dichlorobenzidine	43		52		40-140	19		50
2,4-Dinitrotoluene	63		80		40-132	24		50
2,6-Dinitrotoluene	59		77		40-140	26		50
Fluoranthene	57		72		40-140	23		50
4-Chlorophenyl phenyl ether	58		74		40-140	24		50
4-Bromophenyl phenyl ether	61		80		40-140	27		50
Bis(2-chloroisopropyl)ether	39	Q	50		40-140	25		50
Bis(2-chloroethoxy)methane	48		62		40-117	25		50
Hexachlorobutadiene	53		65		40-140	20		50
Hexachlorocyclopentadiene	54		66		40-140	20		50
Hexachloroethane	45		57		40-140	24		50
Isophorone	52		68		40-140	27		50
Naphthalene	50		62		40-140	21		50
Nitrobenzene	51		65		40-140	24		50
NDPA/DPA	60		77		36-157	25		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 Batch: WG1037181-2 WG1037181-3								
n-Nitrosodi-n-propylamine	52		68		32-121	27		50
Bis(2-ethylhexyl)phthalate	50		61		40-140	20		50
Butyl benzyl phthalate	62		76		40-140	20		50
Di-n-butylphthalate	61		76		40-140	22		50
Di-n-octylphthalate	52		64		40-140	21		50
Diethyl phthalate	60		77		40-140	25		50
Dimethyl phthalate	56		71		40-140	24		50
Benzo(a)anthracene	50		62		40-140	21		50
Benzo(a)pyrene	54		67		40-140	21		50
Benzo(b)fluoranthene	51		66		40-140	26		50
Benzo(k)fluoranthene	53		65		40-140	20		50
Chrysene	49		61		40-140	22		50
Acenaphthylene	55		70		40-140	24		50
Anthracene	56		70		40-140	22		50
Benzo(ghi)perylene	51		64		40-140	23		50
Fluorene	58		74		40-140	24		50
Phenanthrene	53		67		40-140	23		50
Dibenzo(a,h)anthracene	50		62		40-140	21		50
Indeno(1,2,3-cd)pyrene	52		66		40-140	24		50
Pyrene	57		71		35-142	22		50
Biphenyl	56		71		54-104	24		50
4-Chloroaniline	43		48		40-140	11		50
2-Nitroaniline	61		77		47-134	23		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 Batch: WG1037181-2 WG1037181-3								
3-Nitroaniline	54		67		26-129	21		50
4-Nitroaniline	62		78		41-125	23		50
Dibenzofuran	56		73		40-140	26		50
2-Methylnaphthalene	52		66		40-140	24		50
1,2,4,5-Tetrachlorobenzene	57		72		40-117	23		50
Acetophenone	51		66		14-144	26		50
2,4,6-Trichlorophenol	59		74		30-130	23		50
p-Chloro-m-cresol	59		75		26-103	24		50
2-Chlorophenol	49		62		25-102	23		50
2,4-Dichlorophenol	53		69		30-130	26		50
2,4-Dimethylphenol	63		82		30-130	26		50
2-Nitrophenol	52		69		30-130	28		50
4-Nitrophenol	64		81		11-114	23		50
2,4-Dinitrophenol	38		22		4-130	53	Q	50
4,6-Dinitro-o-cresol	56		67		10-130	18		50
Pentachlorophenol	56		68		17-109	19		50
Phenol	51		66		26-90	26		50
2-Methylphenol	52		68		30-130.	27		50
3-Methylphenol/4-Methylphenol	53		70		30-130	28		50
2,4,5-Trichlorophenol	58		75		30-130	26		50
Benzoic Acid	0	Q	0	Q	10-110	NC		50
Benzyl Alcohol	55		70		40-140	24		50
Carbazole	56		71		54-128	24		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 Batch: WG1037181-2 WG1037181-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		61		25-120
Phenol-d6	49		64		10-120
Nitrobenzene-d5	50		64		23-120
2-Fluorobiphenyl	52		66		30-120
2,4,6-Tribromophenol	63		81		10-136
4-Terphenyl-d14	55		69		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1037435-2 WG1037435-3								
Acenaphthene	71		67		37-111	6		30
1,2,4-Trichlorobenzene	64		62		39-98	3		30
Hexachlorobenzene	83		80		40-140	4		30
Bis(2-chloroethyl)ether	87		82		40-140	6		30
2-Chloronaphthalene	71		70		40-140	1		30
1,2-Dichlorobenzene	66		63		40-140	5		30
1,3-Dichlorobenzene	61		58		40-140	5		30
1,4-Dichlorobenzene	64		59		36-97	8		30
3,3'-Dichlorobenzidine	85		77		40-140	10		30
2,4-Dinitrotoluene	107		105		48-143	2		30
2,6-Dinitrotoluene	99		99		40-140	0		30
Fluoranthene	96		95		40-140	1		30
4-Chlorophenyl phenyl ether	76		74		40-140	3		30
4-Bromophenyl phenyl ether	80		77		40-140	4		30
Bis(2-chloroisopropyl)ether	93		87		40-140	7		30
Bis(2-chloroethoxy)methane	94		89		40-140	5		30
Hexachlorobutadiene	63		59		40-140	7		30
Hexachlorocyclopentadiene	30	Q	27	Q	40-140	11		30
Hexachloroethane	64		60		40-140	6		30
Isophorone	96		91		40-140	5		30
Naphthalene	69		67		40-140	3		30
Nitrobenzene	92		87		40-140	6		30
NDPA/DPA	86		88		40-140	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1037435-2 WG1037435-3								
n-Nitrosodi-n-propylamine	97		92		29-132	5		30
Bis(2-ethylhexyl)phthalate	113		111		40-140	2		30
Butyl benzyl phthalate	113		112		40-140	1		30
Di-n-butylphthalate	105		103		40-140	2		30
Di-n-octylphthalate	112		112		40-140	0		30
Diethyl phthalate	99		97		40-140	2		30
Dimethyl phthalate	94		94		40-140	0		30
Benzo(a)anthracene	94		94		40-140	0		30
Benzo(a)pyrene	98		98		40-140	0		30
Benzo(b)fluoranthene	103		100		40-140	3		30
Benzo(k)fluoranthene	97		96		40-140	1		30
Chrysene	93		90		40-140	3		30
Acenaphthylene	76		77		45-123	1		30
Anthracene	90		89		40-140	1		30
Benzo(ghi)perylene	102		98		40-140	4		30
Fluorene	82		79		40-140	4		30
Phenanthrene	90		89		40-140	1		30
Dibenzo(a,h)anthracene	101		101		40-140	0		30
Indeno(1,2,3-cd)pyrene	107		105		40-140	2		30
Pyrene	95		94		26-127	1		30
Biphenyl	75		73		40-140	3		30
4-Chloroaniline	70		56		40-140	22		30
2-Nitroaniline	111		110		52-143	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1037435-2 WG1037435-3								
3-Nitroaniline	88		77		25-145	13		30
4-Nitroaniline	92		85		51-143	8		30
Dibenzofuran	77		74		40-140	4		30
2-Methylnaphthalene	70		68		40-140	3		30
1,2,4,5-Tetrachlorobenzene	66		66		2-134	0		30
Acetophenone	94		88		39-129	7		30
2,4,6-Trichlorophenol	99		96		30-130	3		30
p-Chloro-m-cresol	105	Q	104	Q	23-97	1		30
2-Chlorophenol	87		85		27-123	2		30
2,4-Dichlorophenol	98		95		30-130	3		30
2,4-Dimethylphenol	48		83		30-130	53	Q	30
2-Nitrophenol	102		95		30-130	7		30
4-Nitrophenol	80		67		10-80	18		30
2,4-Dinitrophenol	107		100		20-130	7		30
4,6-Dinitro-o-cresol	111		108		20-164	3		30
Pentachlorophenol	79		78		9-103	1		30
Phenol	49		48		12-110	2		30
2-Methylphenol	79		80		30-130	1		30
3-Methylphenol/4-Methylphenol	80		80		30-130	0		30
2,4,5-Trichlorophenol	98		96		30-130	2		30
Benzoic Acid	45		45		10-164	0		30
Benzyl Alcohol	84		77		26-116	9		30
Carbazole	99		97		55-144	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1037435-2 WG1037435-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		55		21-120
Phenol-d6	41		41		10-120
Nitrobenzene-d5	86		79		23-120
2-Fluorobiphenyl	76		73		15-120
2,4,6-Tribromophenol	87		85		10-120
4-Terphenyl-d14	80		80		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037181-4 WG1037181-5 QC Sample: L1730588-03 Client ID: SB006_0-2												
Acenaphthene	ND	1420	1400	98		1300	93		31-137	7		50
1,2,4-Trichlorobenzene	1500	1420	2500	70		2900	100		38-107	15		50
Hexachlorobenzene	ND	1420	1300	91		1200	86		40-140	8		50
Bis(2-chloroethyl)ether	ND	1420	1300	91		1300	93		40-140	0		50
2-Chloronaphthalene	ND	1420	1400	98		1300	93		40-140	7		50
1,2-Dichlorobenzene	540	1420	1700	82		1700	83		40-140	0		50
1,3-Dichlorobenzene	53.J	1420	1300	91		1200	86		40-140	8		50
1,4-Dichlorobenzene	160J	1420	1400	98		1300	93		28-104	7		50
3,3'-Dichlorobenzidine	ND	1420	950	67		840	60		40-140	12		50
2,4-Dinitrotoluene	ND	1420	1500	110		1500	110		40-132	0		50
2,6-Dinitrotoluene	ND	1420	1500	110		1400	100		40-140	7		50
Fluoranthene	80.J	1420	1400	98		1400	100		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1420	1300	91		1300	93		40-140	0		50
4-Bromophenyl phenyl ether	ND	1420	1300	91		1300	93		40-140	0		50
Bis(2-chloroisopropyl)ether	ND	1420	1500	110		1400	100		40-140	7		50
Bis(2-chloroethoxy)methane	ND	1420	1400	98		1400	100		40-117	0		50
Hexachlorobutadiene	ND	1420	1300	91		1200	86		40-140	8		50
Hexachlorocyclopentadiene	ND	1420	1400	98		1200	86		40-140	15		50
Hexachloroethane	ND	1420	1300	91		1200	86		40-140	8		50
Isophorone	ND	1420	1400	98		1400	100		40-140	0		50
Naphthalene	81.J	1420	1400	98		1400	100		40-140	0		50
Nitrobenzene	ND	1420	1700	120		1600	110		40-140	6		50
NDPA/DPA	ND	1420	1400	98		1400	100		36-157	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037181-4 WG1037181-5 QC Sample: L1730588-03 Client ID: SB006_0-2												
n-Nitrosodi-n-propylamine	ND	1420	1400	98		1400	100		32-121	0		50
Bis(2-ethylhexyl)phthalate	ND	1420	1700	120		1700	120		40-140	0		50
Butyl benzyl phthalate	ND	1420	1700	120		1600	110		40-140	6		50
Di-n-butylphthalate	ND	1420	1600	110		1500	110		40-140	6		50
Di-n-octylphthalate	ND	1420	1700	120		1600	110		40-140	6		50
Diethyl phthalate	ND	1420	1400	98		1400	100		40-140	0		50
Dimethyl phthalate	ND	1420	1400	98		1300	93		40-140	7		50
Benzo(a)anthracene	61.J	1420	1400	98		1400	100		40-140	0		50
Benzo(a)pyrene	91.J	1420	1500	110		1500	110		40-140	0		50
Benzo(b)fluoranthene	120	1420	1500	97		1500	99		40-140	0		50
Benzo(k)fluoranthene	34.J	1420	1400	98		1400	100		40-140	0		50
Chrysene	70.J	1420	1400	98		1400	100		40-140	0		50
Acenaphthylene	ND	1420	1400	98		1400	100		40-140	0		50
Anthracene	ND	1420	1400	98		1400	100		40-140	0		50
Benzo(ghi)perylene	69.J	1420	1400	98		1400	100		40-140	0		50
Fluorene	ND	1420	1400	98		1300	93		40-140	7		50
Phenanthrene	36.J	1420	1400	98		1400	100		40-140	0		50
Dibenzo(a,h)anthracene	ND	1420	1400	98		1300	93		40-140	7		50
Indeno(1,2,3-cd)pyrene	70.J	1420	1400	98		1400	100		40-140	0		50
Pyrene	350	1420	1600	88		1600	89		35-142	0		50
Biphenyl	ND	1420	1400	98		1400	100		54-104	0		50
4-Chloroaniline	ND	1420	1200	84		1100	79		40-140	9		50
2-Nitroaniline	ND	1420	1800	130		1700	120		47-134	6		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037181-4 WG1037181-5 QC Sample: L1730588-03 Client ID: SB006_0-2												
3-Nitroaniline	ND	1420	1400	98		1400	100		26-129	0		50
4-Nitroaniline	ND	1420	1500	110		1400	100		41-125	7		50
Dibenzofuran	ND	1420	1400	98		1300	93		40-140	7		50
2-Methylnaphthalene	80.J	1420	1400	98		1400	100		40-140	0		50
1,2,4,5-Tetrachlorobenzene	350	1420	1600	88		1700	96		40-117	6		50
Acetophenone	ND	1420	1400	98		1400	100		14-144	0		50
2,4,6-Trichlorophenol	ND	1420	1500	110		1500	110		30-130	0		50
p-Chloro-m-cresol	ND	1420	1600	110	Q	1500	110	Q	26-103	6		50
2-Chlorophenol	ND	1420	1400	98		1400	100		25-102	0		50
2,4-Dichlorophenol	ND	1420	1500	110		1400	100		30-130	7		50
2,4-Dimethylphenol	ND	1420	1700	120		1600	110		30-130	6		50
2-Nitrophenol	ND	1420	1700	120		1600	110		30-130	6		50
4-Nitrophenol	ND	1420	1800	130	Q	1800	130	Q	11-114	0		50
2,4-Dinitrophenol	ND	1420	840J	59		460J	33		4-130	58	Q	50
4,6-Dinitro-o-cresol	ND	1420	1400	98		900	64		10-130	43		50
Pentachlorophenol	ND	1420	1300	91		1200	86		17-109	8		50
Phenol	82.J	1420	1400	98	Q	1400	100	Q	26-90	0		50
2-Methylphenol	140J	1420	1600	110		1600	110		30-130.	0		50
3-Methylphenol/4-Methylphenol	230J	1420	1700	120		1700	120		30-130	0		50
2,4,5-Trichlorophenol	ND	1420	1600	110		1500	110		30-130	6		50
Benzoic Acid	ND	1420	410J	29		330J	24		10-110	22		50
Benzyl Alcohol	ND	1420	1500	110		1500	110		40-140	0		50
Carbazole	ND	1420	1400	98		1400	100		54-128	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037181-4 WG1037181-5 QC Sample: L1730588-03 Client ID: SB006_0-2												

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	92		90		10-136
2-Fluorobiphenyl	91		92		30-120
2-Fluorophenol	98		97		25-120
4-Terphenyl-d14	88		87		18-120
Nitrobenzene-d5	119		117		23-120
Phenol-d6	102		100		10-120

PCBS

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Client ID: SB005_0-2

Sample Location: BRONX

Date Collected: 08/29/17 07:45

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 19:53

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 92%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.95	1	A
Aroclor 1221	ND		ug/kg	34.8	5.30	1	A
Aroclor 1232	ND		ug/kg	34.8	3.43	1	A
Aroclor 1242	ND		ug/kg	34.8	4.26	1	A
Aroclor 1248	ND		ug/kg	34.8	3.91	1	A
Aroclor 1254	ND		ug/kg	34.8	2.84	1	A
Aroclor 1260	ND		ug/kg	34.8	3.64	1	A
Aroclor 1262	ND		ug/kg	34.8	2.86	1	A
Aroclor 1268	ND		ug/kg	34.8	2.46	1	A
PCBs, Total	ND		ug/kg	34.8	2.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Client ID: SB005_7-9

Sample Location: BRONX

Date Collected: 08/29/17 07:50

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 20:05

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 89%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	4.03	1	A
Aroclor 1221	ND		ug/kg	35.6	5.41	1	A
Aroclor 1232	ND		ug/kg	35.6	3.50	1	A
Aroclor 1242	ND		ug/kg	35.6	4.35	1	A
Aroclor 1248	ND		ug/kg	35.6	3.99	1	A
Aroclor 1254	ND		ug/kg	35.6	2.90	1	A
Aroclor 1260	ND		ug/kg	35.6	3.71	1	A
Aroclor 1262	ND		ug/kg	35.6	2.92	1	A
Aroclor 1268	ND		ug/kg	35.6	2.52	1	A
PCBs, Total	ND		ug/kg	35.6	2.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Client ID: SB006_0-2

Sample Location: BRONX

Date Collected: 08/29/17 08:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 20:18

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 92%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	4.01	1	A
Aroclor 1221	ND		ug/kg	35.4	5.39	1	A
Aroclor 1232	ND		ug/kg	35.4	3.48	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	ND		ug/kg	35.4	3.97	1	A
Aroclor 1254	ND		ug/kg	35.4	2.89	1	A
Aroclor 1260	26.5	J	ug/kg	35.4	3.69	1	B
Aroclor 1262	ND		ug/kg	35.4	2.91	1	A
Aroclor 1268	ND		ug/kg	35.4	2.50	1	A
PCBs, Total	26.5	J	ug/kg	35.4	2.50	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Client ID: SB006_7-9

Sample Location: BRONX

Date Collected: 08/29/17 08:10

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 20:55

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 97%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.1	3.87	1	A
Aroclor 1221	ND		ug/kg	34.1	5.19	1	A
Aroclor 1232	ND		ug/kg	34.1	3.36	1	A
Aroclor 1242	ND		ug/kg	34.1	4.18	1	A
Aroclor 1248	ND		ug/kg	34.1	3.83	1	A
Aroclor 1254	ND		ug/kg	34.1	2.78	1	A
Aroclor 1260	ND		ug/kg	34.1	3.56	1	A
Aroclor 1262	ND		ug/kg	34.1	2.80	1	A
Aroclor 1268	ND		ug/kg	34.1	2.42	1	A
PCBs, Total	ND		ug/kg	34.1	2.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Client ID: SB007_0-2

Sample Location: BRONX

Date Collected: 08/29/17 09:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 21:07

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 94%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.1	3.87	1	A
Aroclor 1221	ND		ug/kg	34.1	5.19	1	A
Aroclor 1232	ND		ug/kg	34.1	3.36	1	A
Aroclor 1242	ND		ug/kg	34.1	4.17	1	A
Aroclor 1248	ND		ug/kg	34.1	3.82	1	A
Aroclor 1254	ND		ug/kg	34.1	2.78	1	A
Aroclor 1260	ND		ug/kg	34.1	3.56	1	A
Aroclor 1262	ND		ug/kg	34.1	2.80	1	A
Aroclor 1268	ND		ug/kg	34.1	2.41	1	A
PCBs, Total	ND		ug/kg	34.1	2.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Client ID: SB007_7-9

Sample Location: BRONX

Date Collected: 08/29/17 09:10

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 21:19

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 97%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.5	3.69	1	A
Aroclor 1221	ND		ug/kg	32.5	4.95	1	A
Aroclor 1232	ND		ug/kg	32.5	3.20	1	A
Aroclor 1242	ND		ug/kg	32.5	3.98	1	A
Aroclor 1248	ND		ug/kg	32.5	3.65	1	A
Aroclor 1254	ND		ug/kg	32.5	2.65	1	A
Aroclor 1260	ND		ug/kg	32.5	3.40	1	A
Aroclor 1262	ND		ug/kg	32.5	2.67	1	A
Aroclor 1268	ND		ug/kg	32.5	2.30	1	A
PCBs, Total	ND		ug/kg	32.5	2.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Client ID: SB008_0-2

Sample Location: BRONX

Date Collected: 08/29/17 09:30

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 21:32

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 84%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	4.35	1	A
Aroclor 1221	ND		ug/kg	38.4	5.84	1	A
Aroclor 1232	ND		ug/kg	38.4	3.78	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	4.31	1	A
Aroclor 1254	ND		ug/kg	38.4	3.13	1	A
Aroclor 1260	ND		ug/kg	38.4	4.01	1	A
Aroclor 1262	ND		ug/kg	38.4	3.16	1	A
Aroclor 1268	ND		ug/kg	38.4	2.72	1	A
PCBs, Total	ND		ug/kg	38.4	2.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Client ID: SB008_12-14

Sample Location: BRONX

Date Collected: 08/29/17 09:40

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 21:44

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 94%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.88	1	A
Aroclor 1221	ND		ug/kg	34.2	5.21	1	A
Aroclor 1232	ND		ug/kg	34.2	3.37	1	A
Aroclor 1242	ND		ug/kg	34.2	4.19	1	A
Aroclor 1248	ND		ug/kg	34.2	3.84	1	A
Aroclor 1254	ND		ug/kg	34.2	2.79	1	A
Aroclor 1260	ND		ug/kg	34.2	3.57	1	A
Aroclor 1262	ND		ug/kg	34.2	2.81	1	A
Aroclor 1268	ND		ug/kg	34.2	2.42	1	A
PCBs, Total	ND		ug/kg	34.2	2.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Client ID: SB009_0-2

Sample Location: BRONX

Date Collected: 08/29/17 10:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 21:57

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 90%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	4.18	1	A
Aroclor 1221	ND		ug/kg	36.8	5.61	1	A
Aroclor 1232	ND		ug/kg	36.8	3.63	1	A
Aroclor 1242	ND		ug/kg	36.8	4.51	1	A
Aroclor 1248	ND		ug/kg	36.8	4.14	1	A
Aroclor 1254	ND		ug/kg	36.8	3.01	1	A
Aroclor 1260	23.3	J	ug/kg	36.8	3.85	1	A
Aroclor 1262	ND		ug/kg	36.8	3.03	1	A
Aroclor 1268	15.5	J	ug/kg	36.8	2.61	1	B
PCBs, Total	38.8	J	ug/kg	36.8	2.61	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Client ID: SB009_12-14

Sample Location: BRONX

Date Collected: 08/29/17 10:10

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:54

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 22:09

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 85%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	4.22	1	A
Aroclor 1221	ND		ug/kg	37.2	5.66	1	A
Aroclor 1232	ND		ug/kg	37.2	3.66	1	A
Aroclor 1242	ND		ug/kg	37.2	4.55	1	A
Aroclor 1248	ND		ug/kg	37.2	4.18	1	A
Aroclor 1254	ND		ug/kg	37.2	3.04	1	A
Aroclor 1260	ND		ug/kg	37.2	3.88	1	A
Aroclor 1262	ND		ug/kg	37.2	3.06	1	A
Aroclor 1268	ND		ug/kg	37.2	2.63	1	A
PCBs, Total	ND		ug/kg	37.2	2.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11

Client ID: SB010_0-2

Sample Location: BRONX

Date Collected: 08/29/17 10:20

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 06:06

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 22:21

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 93%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.93	1	A
Aroclor 1221	ND		ug/kg	34.6	5.27	1	A
Aroclor 1232	ND		ug/kg	34.6	3.41	1	A
Aroclor 1242	ND		ug/kg	34.6	4.24	1	A
Aroclor 1248	ND		ug/kg	34.6	3.89	1	A
Aroclor 1254	ND		ug/kg	34.6	2.83	1	A
Aroclor 1260	4.64	J	ug/kg	34.6	3.62	1	A
Aroclor 1262	ND		ug/kg	34.6	2.85	1	A
Aroclor 1268	ND		ug/kg	34.6	2.45	1	A
PCBs, Total	4.64	J	ug/kg	34.6	2.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Client ID: SB010_12-14

Sample Location: BRONX

Date Collected: 08/29/17 10:30

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 06:06

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 22:34

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 95%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.9	3.84	1	A
Aroclor 1221	ND		ug/kg	33.9	5.15	1	A
Aroclor 1232	ND		ug/kg	33.9	3.33	1	A
Aroclor 1242	ND		ug/kg	33.9	4.14	1	A
Aroclor 1248	ND		ug/kg	33.9	3.80	1	A
Aroclor 1254	ND		ug/kg	33.9	2.76	1	A
Aroclor 1260	ND		ug/kg	33.9	3.54	1	A
Aroclor 1262	ND		ug/kg	33.9	2.78	1	A
Aroclor 1268	ND		ug/kg	33.9	2.40	1	A
PCBs, Total	ND		ug/kg	33.9	2.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13

Client ID: SB011_0-2

Sample Location: BRONX

Date Collected: 08/29/17 10:40

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 06:06

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 22:46

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 86%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.0	4.31	1	A
Aroclor 1221	ND		ug/kg	38.0	5.79	1	A
Aroclor 1232	ND		ug/kg	38.0	3.74	1	A
Aroclor 1242	ND		ug/kg	38.0	4.65	1	A
Aroclor 1248	ND		ug/kg	38.0	4.27	1	A
Aroclor 1254	ND		ug/kg	38.0	3.10	1	A
Aroclor 1260	7.90	J	ug/kg	38.0	3.97	1	A
Aroclor 1262	ND		ug/kg	38.0	3.12	1	A
Aroclor 1268	12.5	J	ug/kg	38.0	2.69	1	B
PCBs, Total	20.4	J	ug/kg	38.0	2.69	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	676	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	747	Q	30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Client ID: SB011_12-14

Sample Location: BRONX

Date Collected: 08/29/17 10:50

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 06:06

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 22:58

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 96%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.5	3.79	1	A
Aroclor 1221	ND		ug/kg	33.5	5.09	1	A
Aroclor 1232	ND		ug/kg	33.5	3.29	1	A
Aroclor 1242	ND		ug/kg	33.5	4.10	1	A
Aroclor 1248	ND		ug/kg	33.5	3.75	1	A
Aroclor 1254	ND		ug/kg	33.5	2.73	1	A
Aroclor 1260	ND		ug/kg	33.5	3.49	1	A
Aroclor 1262	ND		ug/kg	33.5	2.75	1	A
Aroclor 1268	ND		ug/kg	33.5	2.37	1	A
PCBs, Total	ND		ug/kg	33.5	2.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Client ID: DUPE

Sample Location: BRONX

Date Collected: 08/29/17 00:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 06:06

Analytical Method: 1,8082A

Cleanup Method: EPA 3665A

Analytical Date: 08/31/17 23:11

Cleanup Date: 08/31/17

Analyst: HT

Cleanup Method: EPA 3660B

Percent Solids: 90%

Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	4.02	1	A
Aroclor 1221	ND		ug/kg	35.4	5.39	1	A
Aroclor 1232	ND		ug/kg	35.4	3.48	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	ND		ug/kg	35.4	3.97	1	A
Aroclor 1254	ND		ug/kg	35.4	2.89	1	A
Aroclor 1260	ND		ug/kg	35.4	3.70	1	A
Aroclor 1262	ND		ug/kg	35.4	2.91	1	A
Aroclor 1268	ND		ug/kg	35.4	2.51	1	A
PCBs, Total	ND		ug/kg	35.4	2.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16
 Client ID: FIELD BLANK
 Sample Location: BRONX

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 09/01/17 05:14
 Analyst: JA

Date Collected: 08/29/17 12:00
 Date Received: 08/30/17
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 13:57
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17
 Client ID: EQUIPMENT BLANK
 Sample Location: BRONX

Date Collected: 08/29/17 12:12
 Date Received: 08/30/17
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 13:57
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/01/17

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 09/01/17 05:27
 Analyst: JA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	0.192		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	0.192		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/31/17 10:10
 Analyst: JA

Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 05:07
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 16-17 Batch: WG1037162-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/31/17 23:23
 Analyst: HT

Extraction Method: EPA 3546
 Extraction Date: 08/31/17 05:54
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-15 Batch: WG1037203-1						
Aroclor 1016	ND		ug/kg	31.6	3.58	A
Aroclor 1221	ND		ug/kg	31.6	4.80	A
Aroclor 1232	ND		ug/kg	31.6	3.11	A
Aroclor 1242	ND		ug/kg	31.6	3.86	A
Aroclor 1248	ND		ug/kg	31.6	3.54	A
Aroclor 1254	ND		ug/kg	31.6	2.58	A
Aroclor 1260	ND		ug/kg	31.6	3.30	A
Aroclor 1262	ND		ug/kg	31.6	2.59	A
Aroclor 1268	ND		ug/kg	31.6	2.23	A
PCBs, Total	ND		ug/kg	31.6	2.23	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	52		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 16-17 Batch: WG1037162-2 WG1037162-3									
Aroclor 1016	68		78		40-140	14		50	A
Aroclor 1260	67		81		40-140	19		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		66		30-150	A
Decachlorobiphenyl	64		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		63		30-150	B
Decachlorobiphenyl	63		87		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-15 Batch: WG1037203-2 WG1037203-3									
Aroclor 1016	90		95		40-140	5		50	A
Aroclor 1260	68		77		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		85		30-150	A
Decachlorobiphenyl	55		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		85		30-150	B
Decachlorobiphenyl	59		64		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037203-4 WG1037203-5 QC Sample: L1730588-03 Client ID: SB006_0-2													
Aroclor 1016	ND	222	157	71		140	66		40-140	11		50	A
Aroclor 1260	26.5J	222	270	122		243	114		40-140	11		50	B

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	59		55		30-150	A
Decachlorobiphenyl	65		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		90		30-150	B
Decachlorobiphenyl	91		86		30-150	B

PESTICIDES

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Client ID: SB005_0-2

Sample Location: BRONX

Date Collected: 08/29/17 07:45

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 19:53

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.330	1	A
Lindane	ND		ug/kg	0.703	0.314	1	A
Alpha-BHC	ND		ug/kg	0.703	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.843	0.378	1	A
Aldrin	ND		ug/kg	1.69	0.594	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.949	1	A
Endrin	ND		ug/kg	0.703	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.738	1	A
Endrin ketone	ND		ug/kg	1.69	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.527	1	A
4,4'-DDE	ND		ug/kg	1.69	0.390	1	A
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
4,4'-DDT	ND		ug/kg	3.16	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.398	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.703	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.984	1	A
Toxaphene	ND		ug/kg	31.6	8.86	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	13.7	5.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Client ID: SB005_7-9

Sample Location: BRONX

Date Collected: 08/29/17 07:50

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 20:06

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.760	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Client ID: SB006_0-2

Sample Location: BRONX

Date Collected: 08/29/17 08:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 20:19

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	2.19	P	ug/kg	1.71	0.611	1	B
4,4'-DDT	12.0	P	ug/kg	3.21	1.38	1	B
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	1.00	1	A
Toxaphene	ND		ug/kg	32.1	9.00	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	74		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Client ID: SB006_7-9

Sample Location: BRONX

Date Collected: 08/29/17 08:10

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 20:59

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.318	1	A
Lindane	ND		ug/kg	0.677	0.303	1	A
Alpha-BHC	ND		ug/kg	0.677	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.616	1	A
Heptachlor	ND		ug/kg	0.812	0.364	1	A
Aldrin	ND		ug/kg	1.62	0.572	1	A
Heptachlor epoxide	ND		ug/kg	3.05	0.914	1	A
Endrin	ND		ug/kg	0.677	0.278	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.711	1	A
Endrin ketone	ND		ug/kg	1.62	0.418	1	A
Dieldrin	ND		ug/kg	1.02	0.508	1	A
4,4'-DDE	ND		ug/kg	1.62	0.376	1	A
4,4'-DDD	ND		ug/kg	1.62	0.580	1	A
4,4'-DDT	ND		ug/kg	3.05	1.31	1	A
Endosulfan I	ND		ug/kg	1.62	0.384	1	A
Endosulfan II	ND		ug/kg	1.62	0.543	1	A
Endosulfan sulfate	ND		ug/kg	0.677	0.322	1	A
Methoxychlor	ND		ug/kg	3.05	0.948	1	A
Toxaphene	ND		ug/kg	30.5	8.53	1	A
cis-Chlordane	ND		ug/kg	2.03	0.566	1	A
trans-Chlordane	ND		ug/kg	2.03	0.536	1	A
Chlordane	ND		ug/kg	13.2	5.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	122		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Client ID: SB007_0-2

Sample Location: BRONX

Date Collected: 08/29/17 09:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 21:12

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.71	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.71	0.439	1	A
Dieldrin	ND		ug/kg	1.07	0.533	1	A
4,4'-DDE	ND		ug/kg	1.71	0.395	1	A
4,4'-DDD	ND		ug/kg	1.71	0.609	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.71	0.403	1	A
Endosulfan II	ND		ug/kg	1.71	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	13.9	5.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Client ID: SB007_7-9

Sample Location: BRONX

Date Collected: 08/29/17 09:10

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 21:25

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.319	1	A
Lindane	ND		ug/kg	0.679	0.304	1	A
Alpha-BHC	ND		ug/kg	0.679	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.618	1	A
Heptachlor	ND		ug/kg	0.815	0.365	1	A
Aldrin	ND		ug/kg	1.63	0.574	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.917	1	A
Endrin	ND		ug/kg	0.679	0.278	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.713	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.509	1	A
4,4'-DDE	ND		ug/kg	1.63	0.377	1	A
4,4'-DDD	ND		ug/kg	1.63	0.581	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.385	1	A
Endosulfan II	ND		ug/kg	1.63	0.545	1	A
Endosulfan sulfate	ND		ug/kg	0.679	0.323	1	A
Methoxychlor	ND		ug/kg	3.06	0.951	1	A
Toxaphene	ND		ug/kg	30.6	8.56	1	A
cis-Chlordane	ND		ug/kg	2.04	0.568	1	A
trans-Chlordane	ND		ug/kg	2.04	0.538	1	A
Chlordane	ND		ug/kg	13.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	105		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	109		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Client ID: SB008_0-2

Sample Location: BRONX

Date Collected: 08/29/17 09:30

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 21:38

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.772	0.345	1	A
Alpha-BHC	ND		ug/kg	0.772	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.703	1	A
Heptachlor	ND		ug/kg	0.927	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.772	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.811	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	ND		ug/kg	1.16	0.579	1	A
4,4'-DDE	22.8		ug/kg	1.85	0.428	1	A
4,4'-DDD	16.8		ug/kg	1.85	0.661	1	B
4,4'-DDT	305	E	ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	19.1	PI	ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.772	0.368	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.73	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.0	6.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	264	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	366	Q	30-150	A

Project Name: BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17**SAMPLE RESULTS**

Lab ID: L1730588-07 D

Client ID: SB008_0-2

Sample Location: BRONX

Date Collected: 08/29/17 09:30

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 09/01/17 16:29

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	283		ug/kg	17.4	7.45	5	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Client ID: SB008_12-14

Sample Location: BRONX

Date Collected: 08/29/17 09:40

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 21:51

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.319	1	A
Lindane	ND		ug/kg	0.679	0.303	1	A
Alpha-BHC	ND		ug/kg	0.679	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.618	1	A
Heptachlor	ND		ug/kg	0.815	0.365	1	A
Aldrin	ND		ug/kg	1.63	0.574	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.916	1	A
Endrin	ND		ug/kg	0.679	0.278	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.713	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.509	1	A
4,4'-DDE	ND		ug/kg	1.63	0.377	1	A
4,4'-DDD	ND		ug/kg	1.63	0.581	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.385	1	A
Endosulfan II	ND		ug/kg	1.63	0.544	1	A
Endosulfan sulfate	ND		ug/kg	0.679	0.323	1	A
Methoxychlor	ND		ug/kg	3.06	0.950	1	A
Toxaphene	ND		ug/kg	30.6	8.55	1	A
cis-Chlordane	ND		ug/kg	2.04	0.568	1	A
trans-Chlordane	ND		ug/kg	2.04	0.538	1	A
Chlordane	ND		ug/kg	13.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Client ID: SB009_0-2

Sample Location: BRONX

Date Collected: 08/29/17 10:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 22:05

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.342	1	A
Lindane	ND		ug/kg	0.727	0.325	1	A
Alpha-BHC	ND		ug/kg	0.727	0.207	1	A
Beta-BHC	ND		ug/kg	1.74	0.662	1	A
Heptachlor	ND		ug/kg	0.873	0.391	1	A
Aldrin	ND		ug/kg	1.74	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.982	1	A
Endrin	ND		ug/kg	0.727	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.764	1	A
Endrin ketone	ND		ug/kg	1.74	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	A
4,4'-DDE	ND		ug/kg	1.74	0.404	1	A
4,4'-DDD	ND		ug/kg	1.74	0.623	1	A
4,4'-DDT	3.02	J	ug/kg	3.27	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.412	1	A
Endosulfan II	ND		ug/kg	1.74	0.583	1	A
Endosulfan sulfate	ND		ug/kg	0.727	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.17	1	A
cis-Chlordane	ND		ug/kg	2.18	0.608	1	A
trans-Chlordane	ND		ug/kg	2.18	0.576	1	A
Chlordane	ND		ug/kg	14.2	5.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:04

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 22:18

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.769	0.344	1	A
Alpha-BHC	ND		ug/kg	0.769	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.699	1	A
Heptachlor	ND		ug/kg	0.922	0.414	1	A
Aldrin	ND		ug/kg	1.84	0.649	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.769	0.315	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.807	1	A
Endrin ketone	ND		ug/kg	1.84	0.475	1	A
Dieldrin	ND		ug/kg	1.15	0.576	1	A
4,4'-DDE	ND		ug/kg	1.84	0.426	1	A
4,4'-DDD	ND		ug/kg	1.84	0.658	1	A
4,4'-DDT	ND		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.436	1	A
Endosulfan II	ND		ug/kg	1.84	0.616	1	A
Endosulfan sulfate	ND		ug/kg	0.769	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.68	1	A
cis-Chlordane	ND		ug/kg	2.30	0.642	1	A
trans-Chlordane	ND		ug/kg	2.30	0.609	1	A
Chlordane	ND		ug/kg	15.0	6.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	72		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11

Client ID: SB010_0-2

Sample Location: BRONX

Date Collected: 08/29/17 10:20

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:20

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 22:31

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.326	1	A
Lindane	ND		ug/kg	0.695	0.310	1	A
Alpha-BHC	ND		ug/kg	0.695	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.632	1	A
Heptachlor	ND		ug/kg	0.834	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.587	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.938	1	A
Endrin	ND		ug/kg	0.695	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.730	1	A
Endrin ketone	ND		ug/kg	1.67	0.429	1	A
Dieldrin	ND		ug/kg	1.04	0.521	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.595	1	A
4,4'-DDT	2.75	J	ug/kg	3.13	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.557	1	A
Endosulfan sulfate	ND		ug/kg	0.695	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.973	1	A
Toxaphene	ND		ug/kg	31.3	8.75	1	A
cis-Chlordane	ND		ug/kg	2.08	0.581	1	A
trans-Chlordane	ND		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.5	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Client ID: SB010_12-14

Sample Location: BRONX

Date Collected: 08/29/17 10:30

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:20

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 22:44

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.680	0.304	1	A
Alpha-BHC	ND		ug/kg	0.680	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.619	1	A
Heptachlor	ND		ug/kg	0.816	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.575	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.918	1	A
Endrin	ND		ug/kg	0.680	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.714	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.510	1	A
4,4'-DDE	ND		ug/kg	1.63	0.378	1	A
4,4'-DDD	ND		ug/kg	1.63	0.582	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.386	1	A
Endosulfan II	ND		ug/kg	1.63	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.680	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.952	1	A
Toxaphene	ND		ug/kg	30.6	8.57	1	A
cis-Chlordane	ND		ug/kg	2.04	0.569	1	A
trans-Chlordane	ND		ug/kg	2.04	0.539	1	A
Chlordane	ND		ug/kg	13.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:20

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 22:57

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.754	0.337	1	A
Alpha-BHC	ND		ug/kg	0.754	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.686	1	A
Heptachlor	ND		ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.637	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.754	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.791	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.565	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.754	0.359	1	A
Methoxychlor	ND		ug/kg	3.39	1.06	1	A
Toxaphene	ND		ug/kg	33.9	9.50	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.597	1	A
Chlordane	ND		ug/kg	14.7	5.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	1730	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	1480	Q	30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Client ID: SB011_12-14

Sample Location: BRONX

Date Collected: 08/29/17 10:50

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:20

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 23:10

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.680	0.304	1	A
Alpha-BHC	ND		ug/kg	0.680	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.619	1	A
Heptachlor	ND		ug/kg	0.816	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.575	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.918	1	A
Endrin	ND		ug/kg	0.680	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.714	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.510	1	A
4,4'-DDE	ND		ug/kg	1.63	0.378	1	A
4,4'-DDD	ND		ug/kg	1.63	0.582	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.386	1	A
Endosulfan II	ND		ug/kg	1.63	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.680	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.952	1	A
Toxaphene	ND		ug/kg	30.6	8.57	1	A
cis-Chlordane	ND		ug/kg	2.04	0.569	1	A
trans-Chlordane	ND		ug/kg	2.04	0.539	1	A
Chlordane	ND		ug/kg	13.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	45		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Client ID: DUPE

Sample Location: BRONX

Date Collected: 08/29/17 00:00

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method: EPA 3546

Matrix: Soil

Extraction Date: 08/31/17 05:20

Analytical Method: 1,8081B

Cleanup Method: EPA 3620B

Analytical Date: 08/31/17 23:23

Cleanup Date: 08/31/17

Analyst: DM

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.760	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.1	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	134		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	72		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16
 Client ID: FIELD BLANK
 Sample Location: BRONX

Date Collected: 08/29/17 12:00
 Date Received: 08/30/17
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 14:35

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 08/31/17 20:21
 Analyst: DM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.021	0.005	1	A
Lindane	ND		ug/l	0.021	0.005	1	A
Alpha-BHC	ND		ug/l	0.021	0.005	1	A
Beta-BHC	ND		ug/l	0.021	0.006	1	A
Heptachlor	ND		ug/l	0.021	0.003	1	A
Aldrin	ND		ug/l	0.021	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.021	0.004	1	A
Endrin	ND		ug/l	0.042	0.005	1	A
Endrin aldehyde	ND		ug/l	0.042	0.009	1	A
Endrin ketone	ND		ug/l	0.042	0.005	1	A
Dieldrin	ND		ug/l	0.042	0.005	1	A
4,4'-DDE	ND		ug/l	0.042	0.004	1	A
4,4'-DDD	ND		ug/l	0.042	0.005	1	A
4,4'-DDT	ND		ug/l	0.042	0.005	1	A
Endosulfan I	ND		ug/l	0.021	0.004	1	A
Endosulfan II	ND		ug/l	0.042	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.042	0.005	1	A
Methoxychlor	ND		ug/l	0.210	0.007	1	A
Toxaphene	ND		ug/l	0.210	0.066	1	A
cis-Chlordane	ND		ug/l	0.021	0.007	1	A
trans-Chlordane	ND		ug/l	0.021	0.007	1	A
Chlordane	ND		ug/l	0.210	0.049	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17
 Client ID: EQUIPMENT BLANK
 Sample Location: BRONX

Date Collected: 08/29/17 12:12
 Date Received: 08/30/17
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 14:35

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 08/31/17 20:33
 Analyst: DM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/31/17 19:14
 Analyst: DM

Extraction Method: EPA 3546
 Extraction Date: 08/31/17 05:04
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-15 Batch: WG1037194-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.645	0.288	A
Alpha-BHC	ND		ug/kg	0.645	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.587	A
Heptachlor	ND		ug/kg	0.774	0.347	A
Aldrin	ND		ug/kg	1.55	0.545	A
Heptachlor epoxide	ND		ug/kg	2.90	0.871	A
Endrin	ND		ug/kg	0.645	0.264	A
Endrin aldehyde	ND		ug/kg	1.94	0.677	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.968	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.552	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.517	A
Endosulfan sulfate	ND		ug/kg	0.645	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.903	A
Toxaphene	ND		ug/kg	29.0	8.13	A
cis-Chlordane	ND		ug/kg	1.94	0.539	A
trans-Chlordane	ND		ug/kg	1.94	0.511	A
Chlordane	ND		ug/kg	12.6	5.13	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/31/17 19:14
 Analyst: DM

Extraction Method: EPA 3546
 Extraction Date: 08/31/17 05:04
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-15 Batch: WG1037194-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	102		30-150	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/31/17 19:43
 Analyst: DM

Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 13:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 16-17 Batch: WG1037412-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/31/17 19:43
 Analyst: DM

Extraction Method: EPA 3510C
 Extraction Date: 08/31/17 13:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 16-17 Batch: WG1037412-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-15 Batch: WG1037194-2 WG1037194-3									
Delta-BHC	87		92		30-150	6		30	A
Lindane	84		88		30-150	5		30	A
Alpha-BHC	87		92		30-150	6		30	A
Beta-BHC	88		93		30-150	6		30	A
Heptachlor	96		98		30-150	2		30	A
Aldrin	85		89		30-150	5		30	A
Heptachlor epoxide	94		98		30-150	4		30	A
Endrin	93		96		30-150	3		30	A
Endrin aldehyde	77		78		30-150	1		30	A
Endrin ketone	92		94		30-150	2		30	A
Dieldrin	95		98		30-150	3		30	A
4,4'-DDE	84		86		30-150	2		30	A
4,4'-DDD	86		84		30-150	2		30	A
4,4'-DDT	89		91		30-150	2		30	A
Endosulfan I	90		94		30-150	4		30	A
Endosulfan II	92		93		30-150	1		30	A
Endosulfan sulfate	83		86		30-150	4		30	A
Methoxychlor	86		88		30-150	2		30	A
cis-Chlordane	83		85		30-150	2		30	A
trans-Chlordane	56		57		30-150	2		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-15 Batch: WG1037194-2 WG1037194-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		79		30-150	B
Decachlorobiphenyl	101		99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		86		30-150	A
Decachlorobiphenyl	102		101		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 16-17 Batch: WG1037412-2 WG1037412-3									
Delta-BHC	70		93		30-150	28	Q	20	A
Lindane	70		92		30-150	27	Q	20	A
Alpha-BHC	70		95		30-150	29	Q	20	A
Beta-BHC	66		85		30-150	25	Q	20	A
Heptachlor	63		89		30-150	33	Q	20	A
Aldrin	55		76		30-150	32	Q	20	A
Heptachlor epoxide	69		93		30-150	30	Q	20	A
Endrin	67		90		30-150	29	Q	20	A
Endrin aldehyde	60		75		30-150	23	Q	20	A
Endrin ketone	68		85		30-150	23	Q	20	A
Dieldrin	69		91		30-150	28	Q	20	A
4,4'-DDE	65		87		30-150	29	Q	20	A
4,4'-DDD	66		88		30-150	28	Q	20	A
4,4'-DDT	70		96		30-150	31	Q	20	A
Endosulfan I	64		84		30-150	28	Q	20	A
Endosulfan II	62		82		30-150	28	Q	20	A
Endosulfan sulfate	63		81		30-150	25	Q	20	A
Methoxychlor	77		95		30-150	21	Q	20	A
cis-Chlordane	56		75		30-150	28	Q	20	A
trans-Chlordane	58		79		30-150	31	Q	20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 16-17 Batch: WG1037412-2 WG1037412-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		71		30-150	A
Decachlorobiphenyl	65		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		70		30-150	B
Decachlorobiphenyl	91		112		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab ID: SB006_0-2 Associated sample(s): 01-15 QC Batch ID: WG1037194-4 WG1037194-5 QC Sample: L1730588-03 Client													
Delta-BHC	ND	34.8	22.3	64		20.9	61		30-150	6		50	A
Lindane	ND	34.8	21.4	62		20.1	58		30-150	6		50	A
Alpha-BHC	ND	34.8	22.9	66		22.0	64		30-150	4		50	A
Beta-BHC	ND	34.8	23.4	67		19.7	57		30-150	17		50	A
Heptachlor	ND	34.8	24.4	70		22.3	65		30-150	9		50	A
Aldrin	ND	34.8	21.5	62		19.5	57		30-150	10		50	A
Heptachlor epoxide	ND	34.8	22.9	66		20.8	60		30-150	10		50	A
Endrin	ND	34.8	22.4	64		21.3	62		30-150	5		50	A
Endrin aldehyde	ND	34.8	16.8	48		16.7	49		30-150	1		50	A
Endrin ketone	ND	34.8	21.1	61		20.1	58		30-150	5		50	A
Dieldrin	ND	34.8	22.7	65		21.4	62		30-150	6		50	A
4,4'-DDE	ND	34.8	17.6	51		15.2	44		30-150	15		50	A
4,4'-DDD	2.19	34.8	26.4	70		27.6	74		30-150	4		50	B
4,4'-DDT	12.0	34.8	36.3	70		40.0	81		30-150	10		50	B
Endosulfan I	ND	34.8	22.1	64		21.3	62		30-150	4		50	A
Endosulfan II	ND	34.8	21.4	62		20.0	58		30-150	7		50	A
Endosulfan sulfate	ND	34.8	17.7	51		16.4	48		30-150	8		50	A
Methoxychlor	ND	34.8	23.6	68		24.8	72		30-150	5		50	A
cis-Chlordane	ND	34.8	19.8	57		18.1	53		30-150	9		50	A
trans-Chlordane	ND	34.8	15.1	43		12.5	36		30-150	19		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037194-4 WG1037194-5 QC Sample: L1730588-03 Client ID: SB006_0-2												

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	74		75		30-150	B
Decachlorobiphenyl	95		97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		58		30-150	A
Decachlorobiphenyl	71		64		30-150	A

METALS

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Date Collected: 08/29/17 07:45

Client ID: SB005_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8710		mg/kg	8.48	2.29	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.24	0.322	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Arsenic, Total	1.50		mg/kg	0.848	0.176	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Barium, Total	41.2		mg/kg	0.848	0.148	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Beryllium, Total	0.348	J	mg/kg	0.424	0.028	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Cadmium, Total	0.288	J	mg/kg	0.848	0.083	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Calcium, Total	1400		mg/kg	8.48	2.97	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Chromium, Total	15.8		mg/kg	0.848	0.081	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Cobalt, Total	6.87		mg/kg	1.70	0.141	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Copper, Total	15.0		mg/kg	0.848	0.219	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Iron, Total	14800		mg/kg	4.24	0.766	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Lead, Total	5.09		mg/kg	4.24	0.227	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Magnesium, Total	2440		mg/kg	8.48	1.30	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Manganese, Total	330		mg/kg	0.848	0.135	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Mercury, Total	0.02	J	mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 12:47	EPA 7471B	1,7471B	MG
Nickel, Total	13.3		mg/kg	2.12	0.205	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Potassium, Total	990		mg/kg	212	12.2	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.70	0.219	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.848	0.240	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Sodium, Total	59.7	J	mg/kg	170	2.67	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.70	0.267	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Vanadium, Total	23.6		mg/kg	0.848	0.172	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC
Zinc, Total	26.2		mg/kg	4.24	0.248	2	08/31/17 19:20	09/01/17 10:31	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Date Collected: 08/29/17 07:50

Client ID: SB005_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12300		mg/kg	8.66	2.34	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.33	0.329	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Arsenic, Total	1.26		mg/kg	0.866	0.180	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Barium, Total	45.7		mg/kg	0.866	0.151	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Beryllium, Total	0.234	J	mg/kg	0.433	0.029	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Cadmium, Total	0.320	J	mg/kg	0.866	0.085	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Calcium, Total	1650		mg/kg	8.66	3.03	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Chromium, Total	53.4		mg/kg	0.866	0.083	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Cobalt, Total	11.1		mg/kg	1.73	0.144	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Copper, Total	7.50		mg/kg	0.866	0.223	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Iron, Total	19400		mg/kg	4.33	0.782	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Lead, Total	5.39		mg/kg	4.33	0.232	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Magnesium, Total	5350		mg/kg	8.66	1.33	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Manganese, Total	345		mg/kg	0.866	0.138	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/31/17 09:00	08/31/17 12:49	EPA 7471B	1,7471B	MG
Nickel, Total	21.9		mg/kg	2.16	0.210	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Potassium, Total	6190		mg/kg	216	12.5	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.73	0.223	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.866	0.245	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Sodium, Total	84.4	J	mg/kg	173	2.73	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.73	0.273	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Vanadium, Total	42.2		mg/kg	0.866	0.176	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC
Zinc, Total	51.5		mg/kg	4.33	0.254	2	08/31/17 19:20	09/01/17 10:36	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Date Collected: 08/29/17 08:00

Client ID: SB006_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5480		mg/kg	8.46	2.28	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Antimony, Total	0.491	J	mg/kg	4.23	0.322	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Arsenic, Total	9.01		mg/kg	0.846	0.176	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Barium, Total	585		mg/kg	0.846	0.147	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Beryllium, Total	0.254	J	mg/kg	0.423	0.028	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Cadmium, Total	0.355	J	mg/kg	0.846	0.083	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Calcium, Total	33700		mg/kg	8.46	2.96	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Chromium, Total	13.0		mg/kg	0.846	0.081	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Cobalt, Total	5.09		mg/kg	1.69	0.140	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Copper, Total	32.3		mg/kg	0.846	0.218	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Iron, Total	9120		mg/kg	4.23	0.764	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Lead, Total	976		mg/kg	4.23	0.227	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Magnesium, Total	11700		mg/kg	8.46	1.30	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Manganese, Total	155		mg/kg	0.846	0.134	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Mercury, Total	0.22		mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 12:32	EPA 7471B	1,7471B	MG
Nickel, Total	12.4		mg/kg	2.12	0.205	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Potassium, Total	1350		mg/kg	212	12.2	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.846	0.239	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Sodium, Total	708		mg/kg	169	2.66	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.69	0.266	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Vanadium, Total	20.2		mg/kg	0.846	0.172	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC
Zinc, Total	268		mg/kg	4.23	0.248	2	08/31/17 19:20	09/01/17 10:07	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Date Collected: 08/29/17 08:10

Client ID: SB006_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2560		mg/kg	8.09	2.18	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.05	0.308	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Arsenic, Total	ND		mg/kg	0.809	0.168	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Barium, Total	13.3		mg/kg	0.809	0.141	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Beryllium, Total	0.162	J	mg/kg	0.405	0.027	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Cadmium, Total	0.162	J	mg/kg	0.809	0.079	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Calcium, Total	160000		mg/kg	8.09	2.83	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Chromium, Total	3.84		mg/kg	0.809	0.078	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Cobalt, Total	1.71		mg/kg	1.62	0.134	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Copper, Total	2.29		mg/kg	0.809	0.209	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Iron, Total	5820		mg/kg	4.05	0.731	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Lead, Total	3.20	J	mg/kg	4.05	0.217	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Magnesium, Total	85900		mg/kg	8.09	1.25	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Manganese, Total	259		mg/kg	0.809	0.129	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 12:51	EPA 7471B	1,7471B	MG
Nickel, Total	3.11		mg/kg	2.02	0.196	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Potassium, Total	450		mg/kg	202	11.6	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.62	0.209	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.809	0.229	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Sodium, Total	162		mg/kg	162	2.55	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.62	0.255	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Vanadium, Total	6.34		mg/kg	0.809	0.164	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC
Zinc, Total	12.7		mg/kg	4.05	0.237	2	08/31/17 19:20	09/01/17 10:52	EPA 3050B	1,6010C	LC



Project Name: BSC1709
Project Number: BSC1709

Lab Number: L1730588
Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05
Client ID: SB007_0-2
Sample Location: BRONX
Matrix: Soil
Percent Solids: 94%

Date Collected: 08/29/17 09:00
Date Received: 08/30/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8840		mg/kg	8.42	2.27	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.21	0.320	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Arsenic, Total	2.25		mg/kg	0.842	0.175	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Barium, Total	97.3		mg/kg	0.842	0.146	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Beryllium, Total	0.219	J	mg/kg	0.421	0.028	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Cadmium, Total	0.320	J	mg/kg	0.842	0.083	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Calcium, Total	44700		mg/kg	8.42	2.95	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Chromium, Total	13.8		mg/kg	0.842	0.081	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Cobalt, Total	12.4		mg/kg	1.68	0.140	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Copper, Total	21.7		mg/kg	0.842	0.217	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Iron, Total	14400		mg/kg	4.21	0.761	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Lead, Total	78.4		mg/kg	4.21	0.226	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Magnesium, Total	20100		mg/kg	8.42	1.30	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Manganese, Total	826		mg/kg	0.842	0.134	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Mercury, Total	0.13		mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 12:53	EPA 7471B	1,7471B	MG
Nickel, Total	13.1		mg/kg	2.10	0.204	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Potassium, Total	1400		mg/kg	210	12.1	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.842	0.238	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Sodium, Total	211		mg/kg	168	2.65	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Vanadium, Total	35.3		mg/kg	0.842	0.171	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC
Zinc, Total	61.9		mg/kg	4.21	0.247	2	08/31/17 19:20	09/01/17 10:57	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Date Collected: 08/29/17 09:10

Client ID: SB007_7-9

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2490		mg/kg	7.99	2.16	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.00	0.304	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Arsenic, Total	0.528	J	mg/kg	0.799	0.166	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Barium, Total	17.4		mg/kg	0.799	0.139	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Beryllium, Total	0.128	J	mg/kg	0.400	0.026	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Cadmium, Total	0.128	J	mg/kg	0.799	0.078	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Calcium, Total	147000		mg/kg	7.99	2.80	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Chromium, Total	5.28		mg/kg	0.799	0.077	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Cobalt, Total	1.69		mg/kg	1.60	0.133	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Copper, Total	3.84		mg/kg	0.799	0.206	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Iron, Total	5030		mg/kg	4.00	0.722	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Lead, Total	8.02		mg/kg	4.00	0.214	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Magnesium, Total	79800		mg/kg	7.99	1.23	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Manganese, Total	208		mg/kg	0.799	0.127	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Mercury, Total	0.66		mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 12:55	EPA 7471B	1,7471B	MG
Nickel, Total	3.06		mg/kg	2.00	0.193	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Potassium, Total	446		mg/kg	200	11.5	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.60	0.206	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.799	0.226	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Sodium, Total	52.3	J	mg/kg	160	2.52	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.60	0.252	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Vanadium, Total	6.87		mg/kg	0.799	0.162	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC
Zinc, Total	14.2		mg/kg	4.00	0.234	2	08/31/17 19:20	09/01/17 11:02	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Date Collected: 08/29/17 09:30

Client ID: SB008_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11600		mg/kg	9.20	2.48	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Antimony, Total	1.54	J	mg/kg	4.60	0.350	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Arsenic, Total	12.1		mg/kg	0.920	0.191	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Barium, Total	175		mg/kg	0.920	0.160	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Beryllium, Total	0.653		mg/kg	0.460	0.030	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Cadmium, Total	1.32		mg/kg	0.920	0.090	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Calcium, Total	13000		mg/kg	9.20	3.22	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Chromium, Total	30.6		mg/kg	0.920	0.088	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Cobalt, Total	6.78		mg/kg	1.84	0.153	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Copper, Total	40.2		mg/kg	0.920	0.237	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Iron, Total	18000		mg/kg	4.60	0.831	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Lead, Total	415		mg/kg	4.60	0.246	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Magnesium, Total	5710		mg/kg	9.20	1.42	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Manganese, Total	238		mg/kg	0.920	0.146	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Mercury, Total	0.89		mg/kg	0.07	0.02	1	08/31/17 09:00	08/31/17 12:56	EPA 7471B	1,7471B	MG
Nickel, Total	15.8		mg/kg	2.30	0.223	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Potassium, Total	892		mg/kg	230	13.2	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Selenium, Total	0.644	J	mg/kg	1.84	0.237	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.920	0.260	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Sodium, Total	188		mg/kg	184	2.90	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.84	0.290	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Vanadium, Total	32.0		mg/kg	0.920	0.187	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC
Zinc, Total	212		mg/kg	4.60	0.270	2	08/31/17 19:20	09/01/17 11:07	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Date Collected: 08/29/17 09:40

Client ID: SB008_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5190		mg/kg	8.10	2.19	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.05	0.308	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Arsenic, Total	0.899		mg/kg	0.810	0.168	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Barium, Total	42.7		mg/kg	0.810	0.141	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Beryllium, Total	0.348	J	mg/kg	0.405	0.027	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Cadmium, Total	0.243	J	mg/kg	0.810	0.079	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Calcium, Total	130000		mg/kg	40.5	14.2	10	08/31/17 19:20	09/01/17 12:00	EPA 3050B	1,6010C	LC
Chromium, Total	10.5		mg/kg	0.810	0.078	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Cobalt, Total	5.19		mg/kg	1.62	0.134	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Copper, Total	14.2		mg/kg	0.810	0.209	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Iron, Total	10500		mg/kg	4.05	0.731	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Lead, Total	3.80	J	mg/kg	4.05	0.217	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Magnesium, Total	61100		mg/kg	8.10	1.25	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Manganese, Total	441		mg/kg	0.810	0.129	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 12:58	EPA 7471B	1,7471B	MG
Nickel, Total	13.9		mg/kg	2.02	0.196	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Potassium, Total	1230		mg/kg	202	11.7	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.62	0.209	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.810	0.229	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Sodium, Total	99.4	J	mg/kg	162	2.55	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.62	0.255	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Vanadium, Total	13.9		mg/kg	0.810	0.164	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC
Zinc, Total	35.8		mg/kg	4.05	0.237	2	08/31/17 19:20	09/01/17 11:12	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Date Collected: 08/29/17 10:00

Client ID: SB009_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5610		mg/kg	8.68	2.34	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Antimony, Total	2.78	J	mg/kg	4.34	0.330	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Arsenic, Total	6.10		mg/kg	0.868	0.181	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Barium, Total	147		mg/kg	0.868	0.151	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Beryllium, Total	0.234	J	mg/kg	0.434	0.029	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Cadmium, Total	0.634	J	mg/kg	0.868	0.085	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Calcium, Total	19500		mg/kg	8.68	3.04	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Chromium, Total	11.3		mg/kg	0.868	0.083	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Cobalt, Total	4.29		mg/kg	1.74	0.144	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Copper, Total	53.4		mg/kg	0.868	0.224	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Iron, Total	10200		mg/kg	4.34	0.784	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Lead, Total	414		mg/kg	4.34	0.233	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Magnesium, Total	4060		mg/kg	8.68	1.34	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Manganese, Total	160		mg/kg	0.868	0.138	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Mercury, Total	0.25		mg/kg	0.07	0.02	1	08/31/17 09:00	08/31/17 13:00	EPA 7471B	1,7471B	MG
Nickel, Total	12.3		mg/kg	2.17	0.210	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Potassium, Total	1180		mg/kg	217	12.5	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.74	0.224	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.868	0.246	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Sodium, Total	628		mg/kg	174	2.74	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.74	0.274	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Vanadium, Total	22.6		mg/kg	0.868	0.176	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC
Zinc, Total	212		mg/kg	4.34	0.254	2	08/31/17 19:20	09/01/17 11:17	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-10

Date Collected: 08/29/17 10:10

Client ID: SB009_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4550		mg/kg	9.17	2.48	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.58	0.348	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Arsenic, Total	ND		mg/kg	0.917	0.191	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Barium, Total	15.3		mg/kg	0.917	0.160	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Beryllium, Total	0.302	J	mg/kg	0.458	0.030	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Cadmium, Total	0.192	J	mg/kg	0.917	0.090	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Calcium, Total	217000		mg/kg	91.7	32.1	20	08/31/17 19:20	09/01/17 12:05	EPA 3050B	1,6010C	LC
Chromium, Total	4.24		mg/kg	0.917	0.088	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Cobalt, Total	1.74	J	mg/kg	1.83	0.152	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Copper, Total	4.80		mg/kg	0.917	0.236	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Iron, Total	7890		mg/kg	4.58	0.828	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Lead, Total	2.44	J	mg/kg	4.58	0.246	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Magnesium, Total	134000		mg/kg	91.7	14.1	20	08/31/17 19:20	09/01/17 12:05	EPA 3050B	1,6010C	LC
Manganese, Total	297		mg/kg	0.917	0.146	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/31/17 09:00	08/31/17 13:06	EPA 7471B	1,7471B	MG
Nickel, Total	3.39		mg/kg	2.29	0.222	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Potassium, Total	326		mg/kg	229	13.2	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.83	0.236	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.917	0.259	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Sodium, Total	124	J	mg/kg	183	2.89	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.83	0.289	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Vanadium, Total	7.48		mg/kg	0.917	0.186	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC
Zinc, Total	8.55		mg/kg	4.58	0.269	2	08/31/17 19:20	09/01/17 11:21	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11

Date Collected: 08/29/17 10:20

Client ID: SB010_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3410		mg/kg	8.59	2.32	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Antimony, Total	0.601	J	mg/kg	4.29	0.326	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Arsenic, Total	10.3		mg/kg	0.859	0.178	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Barium, Total	598		mg/kg	0.859	0.149	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Beryllium, Total	0.172	J	mg/kg	0.429	0.028	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Cadmium, Total	2.70		mg/kg	0.859	0.084	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Calcium, Total	124000		mg/kg	42.9	15.0	10	08/31/17 19:20	09/01/17 12:10	EPA 3050B	1,6010C	LC
Chromium, Total	13.5		mg/kg	0.859	0.082	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Cobalt, Total	3.51		mg/kg	1.72	0.142	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Copper, Total	41.0		mg/kg	0.859	0.222	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Iron, Total	23500		mg/kg	4.29	0.775	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Lead, Total	327		mg/kg	4.29	0.230	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Magnesium, Total	46600		mg/kg	8.59	1.32	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Manganese, Total	293		mg/kg	0.859	0.136	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Mercury, Total	7.3		mg/kg	0.67	0.14	10	08/31/17 09:00	08/31/17 14:32	EPA 7471B	1,7471B	MG
Nickel, Total	11.7		mg/kg	2.15	0.208	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Potassium, Total	515		mg/kg	215	12.4	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.859	0.243	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Sodium, Total	223		mg/kg	172	2.70	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.72	0.270	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Vanadium, Total	34.2		mg/kg	0.859	0.174	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC
Zinc, Total	760		mg/kg	4.29	0.252	2	08/31/17 19:20	09/01/17 11:26	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Date Collected: 08/29/17 10:30

Client ID: SB010_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1470		mg/kg	8.42	2.27	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.21	0.320	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Arsenic, Total	0.354	J	mg/kg	0.842	0.175	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Barium, Total	18.2		mg/kg	0.842	0.146	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Beryllium, Total	0.076	J	mg/kg	0.421	0.028	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Cadmium, Total	0.118	J	mg/kg	0.842	0.083	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Calcium, Total	216000		mg/kg	84.2	29.5	20	08/31/17 19:20	09/01/17 12:14	EPA 3050B	1,6010C	LC
Chromium, Total	3.94		mg/kg	0.842	0.081	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Cobalt, Total	2.25		mg/kg	1.68	0.140	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Copper, Total	2.32		mg/kg	0.842	0.217	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Iron, Total	4120		mg/kg	4.21	0.761	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Lead, Total	2.32	J	mg/kg	4.21	0.226	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Magnesium, Total	127000		mg/kg	84.2	13.0	20	08/31/17 19:20	09/01/17 12:14	EPA 3050B	1,6010C	LC
Manganese, Total	219		mg/kg	0.842	0.134	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 13:10	EPA 7471B	1,7471B	MG
Nickel, Total	3.45		mg/kg	2.10	0.204	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Potassium, Total	592		mg/kg	210	12.1	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.842	0.238	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Sodium, Total	76.3	J	mg/kg	168	2.65	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Vanadium, Total	5.37		mg/kg	0.842	0.171	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC
Zinc, Total	23.6		mg/kg	4.21	0.247	2	08/31/17 19:20	09/01/17 11:31	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13

Date Collected: 08/29/17 10:40

Client ID: SB011_0-2

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7470		mg/kg	9.19	2.48	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Antimony, Total	1.22	J	mg/kg	4.60	0.349	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Arsenic, Total	7.64		mg/kg	0.919	0.191	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Barium, Total	277		mg/kg	0.919	0.160	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Beryllium, Total	0.735		mg/kg	0.460	0.030	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Cadmium, Total	0.864	J	mg/kg	0.919	0.090	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Calcium, Total	27600		mg/kg	9.19	3.22	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Chromium, Total	15.4		mg/kg	0.919	0.088	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Cobalt, Total	4.82		mg/kg	1.84	0.152	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Copper, Total	55.4		mg/kg	0.919	0.237	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Iron, Total	14500		mg/kg	4.60	0.830	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Lead, Total	220		mg/kg	4.60	0.246	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Magnesium, Total	11000		mg/kg	9.19	1.42	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Manganese, Total	538		mg/kg	0.919	0.146	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Mercury, Total	0.15		mg/kg	0.08	0.02	1	08/31/17 09:00	08/31/17 13:12	EPA 7471B	1,7471B	MG
Nickel, Total	11.8		mg/kg	2.30	0.222	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Potassium, Total	1030		mg/kg	230	13.2	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.84	0.237	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.919	0.260	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Sodium, Total	429		mg/kg	184	2.90	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.84	0.290	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Vanadium, Total	22.5		mg/kg	0.919	0.186	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC
Zinc, Total	185		mg/kg	4.60	0.269	2	08/31/17 19:20	09/01/17 11:36	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Date Collected: 08/29/17 10:50

Client ID: SB011_12-14

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2400		mg/kg	7.89	2.13	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	3.95	0.300	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Arsenic, Total	1.27		mg/kg	0.789	0.164	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Barium, Total	65.1		mg/kg	0.789	0.137	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Beryllium, Total	0.071	J	mg/kg	0.395	0.026	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Cadmium, Total	0.213	J	mg/kg	0.789	0.077	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Calcium, Total	200000		mg/kg	78.9	27.6	20	08/31/17 19:20	09/01/17 12:19	EPA 3050B	1,6010C	LC
Chromium, Total	5.79		mg/kg	0.789	0.076	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Cobalt, Total	2.34		mg/kg	1.58	0.131	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Copper, Total	10.9		mg/kg	0.789	0.204	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Iron, Total	5720		mg/kg	3.95	0.713	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Lead, Total	62.3		mg/kg	3.95	0.212	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Magnesium, Total	115000		mg/kg	78.9	12.2	20	08/31/17 19:20	09/01/17 12:19	EPA 3050B	1,6010C	LC
Manganese, Total	356		mg/kg	0.789	0.126	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Mercury, Total	0.15		mg/kg	0.07	0.01	1	08/31/17 09:00	08/31/17 13:14	EPA 7471B	1,7471B	MG
Nickel, Total	3.90		mg/kg	1.97	0.191	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Potassium, Total	464		mg/kg	197	11.4	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.58	0.204	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.789	0.223	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Sodium, Total	125	J	mg/kg	158	2.49	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.58	0.249	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Vanadium, Total	7.96		mg/kg	0.789	0.160	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC
Zinc, Total	64.4		mg/kg	3.95	0.231	2	08/31/17 19:20	09/01/17 11:50	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Date Collected: 08/29/17 00:00

Client ID: DUPE

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8340		mg/kg	8.88	2.40	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.44	0.338	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Arsenic, Total	1.46		mg/kg	0.888	0.185	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Barium, Total	47.8		mg/kg	0.888	0.154	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Beryllium, Total	0.302	J	mg/kg	0.444	0.029	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Cadmium, Total	0.231	J	mg/kg	0.888	0.087	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Calcium, Total	1250		mg/kg	8.88	3.11	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Chromium, Total	18.6		mg/kg	0.888	0.085	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Cobalt, Total	5.74		mg/kg	1.78	0.147	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Copper, Total	14.1		mg/kg	0.888	0.229	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Iron, Total	15300		mg/kg	4.44	0.802	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Lead, Total	5.61		mg/kg	4.44	0.238	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Magnesium, Total	2820		mg/kg	8.88	1.37	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Manganese, Total	204		mg/kg	0.888	0.141	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/31/17 09:00	08/31/17 13:15	EPA 7471B	1,7471B	MG
Nickel, Total	11.1		mg/kg	2.22	0.215	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Potassium, Total	1040		mg/kg	222	12.8	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.78	0.229	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.888	0.251	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Sodium, Total	69.2	J	mg/kg	178	2.80	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.78	0.280	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Vanadium, Total	22.4		mg/kg	0.888	0.180	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC
Zinc, Total	26.4		mg/kg	4.44	0.260	2	08/31/17 19:20	09/01/17 11:55	EPA 3050B	1,6010C	LC



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-16

Date Collected: 08/29/17 12:00

Client ID: FIELD BLANK

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Antimony, Total	0.010	J	mg/l	0.050	0.007	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Barium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Calcium, Total	0.099	J	mg/l	0.100	0.035	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Copper, Total	0.004	J	mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Iron, Total	ND		mg/l	0.050	0.009	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Lead, Total	ND		mg/l	0.010	0.003	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Magnesium, Total	0.016	J	mg/l	0.100	0.015	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/01/17 09:52	09/01/17 13:13	EPA 7470A	1,7470A	MG
Nickel, Total	ND		mg/l	0.025	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Silver, Total	ND		mg/l	0.007	0.003	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Sodium, Total	0.549	J	mg/l	2.00	0.120	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	08/31/17 16:30	08/31/17 22:02	EPA 3005A	1,6010C	AB



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-17
 Client ID: EQUIPMENT BLANK
 Sample Location: BRONX
 Matrix: Water

Date Collected: 08/29/17 12:12
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Barium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Calcium, Total	ND		mg/l	0.100	0.035	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Copper, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Iron, Total	ND		mg/l	0.050	0.009	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Lead, Total	ND		mg/l	0.010	0.003	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/01/17 09:52	09/01/17 13:19	EPA 7470A	1,7470A	MG
Nickel, Total	ND		mg/l	0.025	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Silver, Total	ND		mg/l	0.007	0.003	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Sodium, Total	ND		mg/l	2.00	0.120	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB
Zinc, Total	0.002	J	mg/l	0.050	0.002	1	08/31/17 16:30	08/31/17 22:07	EPA 3005A	1,6010C	AB



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-15 Batch: WG1037210-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/31/17 09:00	08/31/17 12:28	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 16-17 Batch: WG1037463-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Barium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Calcium, Total	ND		mg/l	0.100	0.035	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Copper, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Iron, Total	ND		mg/l	0.050	0.009	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Lead, Total	ND		mg/l	0.010	0.003	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Nickel, Total	ND		mg/l	0.025	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Silver, Total	ND		mg/l	0.007	0.003	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Sodium, Total	ND		mg/l	2.00	0.120	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	08/31/17 16:30	08/31/17 21:53	1,6010C	AB

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-15 Batch: WG1037521-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Arsenic, Total	0.108	J	mg/kg	0.400	0.083	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Calcium, Total	1.88	J	mg/kg	4.00	1.40	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Chromium, Total	0.100	J	mg/kg	0.400	0.038	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Iron, Total	0.476	J	mg/kg	2.00	0.361	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Potassium, Total	ND		mg/kg	100	5.76	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Sodium, Total	6.34	J	mg/kg	80.0	1.26	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/31/17 19:20	09/01/17 09:53	1,6010C	LC

Prep Information

Digestion Method: EPA 3050B



Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 16-17 Batch: WG1037751-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/01/17 09:52	09/01/17 13:10	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control**Project Name:** BSC1709**Project Number:** BSC1709**Lab Number:** L1730588**Report Date:** 09/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15 Batch: WG1037210-2 SRM Lot Number: D093-540								
Mercury, Total	98		-		72-128	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16-17 Batch: WG1037463-2					
Aluminum, Total	108	-	80-120	-	
Antimony, Total	97	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	102	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Calcium, Total	101	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	101	-	80-120	-	
Iron, Total	107	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	108	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	105	-	80-120	-	
Vanadium, Total	106	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** BSC1709**Project Number:** BSC1709**Lab Number:** L1730588**Report Date:** 09/01/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16-17 Batch: WG1037463-2					
Zinc, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15 Batch: WG1037521-2 SRM Lot Number: D093-540					
Aluminum, Total	71	-	55-146	-	
Antimony, Total	166	-	2-204	-	
Arsenic, Total	101	-	70-130	-	
Barium, Total	91	-	83-117	-	
Beryllium, Total	93	-	83-117	-	
Cadmium, Total	93	-	83-117	-	
Calcium, Total	88	-	83-117	-	
Chromium, Total	91	-	80-120	-	
Cobalt, Total	94	-	84-116	-	
Copper, Total	95	-	82-118	-	
Iron, Total	87	-	47-153	-	
Lead, Total	90	-	82-117	-	
Magnesium, Total	81	-	77-124	-	
Manganese, Total	90	-	81-119	-	
Nickel, Total	92	-	83-117	-	
Potassium, Total	83	-	71-129	-	
Selenium, Total	98	-	78-122	-	
Silver, Total	96	-	76-124	-	
Sodium, Total	94	-	72-128	-	
Thallium, Total	92	-	79-121	-	
Vanadium, Total	93	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15 Batch: WG1037521-2 SRM Lot Number: D093-540					
Zinc, Total	93	-	83-117	-	
Total Metals - Mansfield Lab Associated sample(s): 16-17 Batch: WG1037751-2					
Mercury, Total	107	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15 QC Batch ID: WG1037210-3 WG1037210-4 QC Sample: L1730588-03 Client ID: SB006_0-2												
Mercury, Total	0.22	0.138	0.29	50	Q	0.26	29	Q	80-120	11		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1037463-3 QC Sample: L1730588-16 Client ID: FIELD BLANK									
Aluminum, Total	ND	2	2.12	106	-	-	75-125	-	20
Antimony, Total	0.010J	0.5	0.478	96	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Barium, Total	ND	2	1.98	99	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.050	100	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.053	104	-	-	75-125	-	20
Calcium, Total	0.099J	10	10.1	101	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.200	100	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.485	97	-	-	75-125	-	20
Copper, Total	0.004J	0.25	0.251	100	-	-	75-125	-	20
Iron, Total	ND	1	1.05	105	-	-	75-125	-	20
Lead, Total	ND	0.51	0.521	102	-	-	75-125	-	20
Magnesium, Total	0.016J	10	10.1	101	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.496	99	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.491	98	-	-	75-125	-	20
Potassium, Total	ND	10	10.1	101	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.128	107	-	-	75-125	-	20
Silver, Total	ND	0.05	0.051	101	-	-	75-125	-	20
Sodium, Total	0.549J	10	10.6	106	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.512	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control**Project Name:** BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1037463-3 QC Sample: L1730588-16 Client ID: FIELD BLANK									
Zinc, Total	ND	0.5	0.514	103	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15 QC Batch ID: WG1037521-3 WG1037521-4 QC Sample: L1730588-03 Client ID: SB006_0-2										
Aluminum, Total	5480	171	5580	58	Q	5660	109	75-125	1	20
Antimony, Total	0.491J	42.8	41.8	98		39.6	96	75-125	5	20
Arsenic, Total	9.01	10.3	18.8	95		18.2	93	75-125	3	20
Barium, Total	585.	171	336	0	Q	281	0	Q 75-125	18	20
Beryllium, Total	0.254J	4.28	4.29	100		4.09	99	75-125	5	20
Cadmium, Total	0.355J	4.37	4.38	100		4.07	96	75-125	7	20
Calcium, Total	33700	856	34700	117		45200	1390	Q 75-125	26	Q 20
Chromium, Total	13.0	17.1	27.7	86		25.8	77	75-125	7	20
Cobalt, Total	5.09	42.8	41.8	86		38.9	82	75-125	7	20
Copper, Total	32.3	21.4	48.9	78		44.4	58	Q 75-125	10	20
Iron, Total	9120	85.6	8770	0	Q	9150	36	Q 75-125	4	20
Lead, Total	976.	43.7	477	0	Q	228	0	Q 75-125	71	Q 20
Magnesium, Total	11700	856	10600	0	Q	9670	0	Q 75-125	9	20
Manganese, Total	155.	42.8	201	107		231	184	Q 75-125	14	20
Nickel, Total	12.4	42.8	50.0	88		46.7	83	75-125	7	20
Potassium, Total	1350	856	2200	99		2090	90	75-125	5	20
Selenium, Total	ND	10.3	10.2	99		9.58	96	75-125	6	20
Silver, Total	ND	25.7	25.3	98		24.2	98	75-125	4	20
Sodium, Total	708.	856	1600	104		1640	113	75-125	2	20
Thallium, Total	ND	10.3	7.85	76		7.15	72	Q 75-125	9	20
Vanadium, Total	20.2	42.8	61.2	96		58.4	92	75-125	5	20

Matrix Spike Analysis

Batch Quality Control

Project Name: BSC1709

Lab Number: L1730588

Project Number: BSC1709

Report Date: 09/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15 QC Batch ID: WG1037521-3 WG1037521-4 QC Sample: L1730588-03 Client ID: SB006_0-2									
Zinc, Total	268.	42.8	268	0	Q	226	0	Q	75-125 17 20
Total Metals - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1037751-3 QC Sample: L1730588-16 Client ID: FIELD BLANK									
Mercury, Total	ND	0.005	0.00504	101	-	-	75-125	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1037463-4 QC Sample: L1730588-16 Client ID: FIELD BLANK						
Aluminum, Total	ND	ND	mg/l	NC		20
Antimony, Total	0.010J	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	0.099J	0.111	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	0.004J	0.005J	mg/l	NC		20
Iron, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	0.016J	0.017J	mg/l	NC		20
Manganese, Total	ND	0.002J	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Potassium, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	0.549J	0.567J	mg/l	NC		20

Lab Duplicate Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1037463-4 QC Sample: L1730588-16 Client ID: FIELD BLANK					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1037751-4 QC Sample: L1730588-16 Client ID: FIELD BLANK					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-01

Client ID: SB005_0-2

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 07:45

Date Received: 08/30/17

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-02

Client ID: SB005_7-9

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 07:50

Date Received: 08/30/17

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-03

Client ID: SB006_0-2

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 08:00

Date Received: 08/30/17

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-04

Client ID: SB006_7-9

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 08:10

Date Received: 08/30/17

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	96.6		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-05

Client ID: SB007_0-2

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 09:00

Date Received: 08/30/17

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	93.7		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-06

Client ID: SB007_7-9

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 09:10

Date Received: 08/30/17

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	96.6		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-07

Client ID: SB008_0-2

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 09:30

Date Received: 08/30/17

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-08

Client ID: SB008_12-14

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 09:40

Date Received: 08/30/17

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	93.7		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-09

Client ID: SB009_0-2

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 10:00

Date Received: 08/30/17

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709**Project Number:** BSC1709**Lab Number:** L1730588**Report Date:** 09/01/17**SAMPLE RESULTS****Lab ID:** L1730588-10**Client ID:** SB009_12-14**Sample Location:** BRONX**Matrix:** Soil**Date Collected:** 08/29/17 10:10**Date Received:** 08/30/17**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-11

Client ID: SB010_0-2

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 10:20

Date Received: 08/30/17

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	93.1		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-12

Client ID: SB010_12-14

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 10:30

Date Received: 08/30/17

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	94.9		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-13

Client ID: SB011_0-2

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 10:40

Date Received: 08/30/17

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-14

Client ID: SB011_12-14

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 10:50

Date Received: 08/30/17

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	96.4		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

SAMPLE RESULTS

Lab ID: L1730588-15

Client ID: DUPE

Sample Location: BRONX

Matrix: Soil

Date Collected: 08/29/17 00:00

Date Received: 08/30/17

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		%	0.100	NA	1	-	08/31/17 14:09	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730588

Report Date: 09/01/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG1037391-1 QC Sample: L1730588-03 Client ID: SB006_0-2						
Solids, Total	92.4	93.5	%	1		20

Project Name: BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal

C	Absent

E	Absent

F	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730588-01A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-01B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-01C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-01D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-01E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-01F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-02A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-02B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-02C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-02D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-02E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-02F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-03A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-03A1	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-03A2	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)

Project Name: BSC1709
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Report Date: 09/01/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730588-03B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-03B1	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-03B2	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-03C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-03C1	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-03C2	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-03D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-03D1	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-03D2	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-03E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1730588-03E1	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1730588-03E2	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1730588-03F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-03F1	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-03F2	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-04A	Vial MeOH preserved	E	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1730588-04B	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-04C	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-04D	Vial unpreserved	E	NA		4.4	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730588-04E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-04F	Vial Large Septa unpreserved (4oz)	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-04G	Vial Large Septa unpreserved (4oz)	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-05A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-05B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-05C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-05D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-05E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-05F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-06A	Vial MeOH preserved	E	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1730588-06B	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-06C	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-06D	Vial unpreserved	E	NA		4.4	Y	Absent		TS(7)
L1730588-06E	Vial Large Septa unpreserved (4oz)	E	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-06F	Glass 250ml/8oz unpreserved	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-07A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-07B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-07C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-07D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730588-07E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-07F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-08A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-08B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-08C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-08D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-08E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-08F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-09A	Vial MeOH preserved	E	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1730588-09B	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-09C	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-09D	Plastic 2oz unpreserved for TS	E	NA		4.4	Y	Absent		TS(7)
L1730588-09E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-09F	Glass 250ml/8oz unpreserved	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-10A	Vial MeOH preserved	E	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1730588-10B	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-10C	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-10D	Plastic 2oz unpreserved for TS	E	NA		4.4	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730588-10E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-10F	Glass 250ml/8oz unpreserved	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-11A	Vial MeOH preserved	E	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1730588-11B	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-11C	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-11D	Plastic 2oz unpreserved for TS	E	NA		4.4	Y	Absent		TS(7)
L1730588-11E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-11F	Glass 250ml/8oz unpreserved	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-12A	Vial MeOH preserved	E	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1730588-12B	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-12C	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-12D	Plastic 2oz unpreserved for TS	E	NA		4.4	Y	Absent		TS(7)
L1730588-12E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-12F	Glass 250ml/8oz unpreserved	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-13A	Vial MeOH preserved	E	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1730588-13B	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-13C	Vial water preserved	E	NA		4.4	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-13D	Plastic 2oz unpreserved for TS	E	NA		4.4	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730588-13E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-13F	Glass 250ml/8oz unpreserved	E	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-14A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-14B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-14C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-14D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-14E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-14F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-15A	Vial MeOH preserved	F	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1730588-15B	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-15C	Vial water preserved	F	NA		3.2	Y	Absent	31-AUG-17 06:23	NYTCL-8260HLW(14)
L1730588-15D	Plastic 2oz unpreserved for TS	F	NA		3.2	Y	Absent		TS(7)
L1730588-15E	Metals Only-Glass 60mL/2oz unpreserved	F	NA		3.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-15F	Glass 250ml/8oz unpreserved	F	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1730588-16A	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1730588-16B	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1730588-16C	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1730588-16D	Plastic 250ml HNO3 preserved	C	<2	<2	2.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

Project Name: BSC1709
Project Number: BSC1709

Serial_No:09011719:06
Lab Number: L1730588
Report Date: 09/01/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730588-16E	Plastic 250ml unpreserved	C	7	7	2.3	Y	Absent		HOLD-METAL-DISSOLVED(180)
L1730588-16F	Amber 500ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1730588-16G	Amber 500ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1730588-16H	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8270(7),NYTCL-8082-1200ML(7)
L1730588-16I	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8270(7),NYTCL-8082-1200ML(7)
L1730588-16J	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		-
L1730588-16K	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		-
L1730588-16X	Plastic 120ml HNO3 preserved Filtrates	C	NA		2.3	Y	Absent		HOLD-METAL-DISSOLVED(180)
L1730588-17A	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1730588-17B	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1730588-17C	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1730588-17D	Plastic 250ml HNO3 preserved	C	<2	<2	2.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1730588-17E	Plastic 250ml unpreserved	C	7	7	2.3	Y	Absent		HOLD-METAL-DISSOLVED(180)
L1730588-17F	Amber 500ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1730588-17G	Amber 500ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1730588-17H	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8082-1200ML(7)
L1730588-17I	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8082-1200ML(7)
L1730588-17J	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8270(7)
L1730588-17K	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8270(7)
L1730588-17X	Plastic 120ml HNO3 preserved Filtrates	C	NA		2.3	Y	Absent		HOLD-METAL-DISSOLVED(180)
L1730588-18A	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1730588-19A	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)

Project Name: BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name: BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17**Data Qualifiers**

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: BSC1709**Lab Number:** L1730588**Project Number:** BSC1709**Report Date:** 09/01/17

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.****EPA 624:** Volatile Halocarbons & Aromatics,**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>2</u>		Date Rec'd in Lab <u>8/31/17</u>		ALPHA Job # <u>U730588</u>																																																																																																																																																																																																																											
		Project Information Project Name: <u>BSC1709</u> Project Location: <u>Brook</u> Project # _____ (Use Project name as Project #) ☒		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO # _____																																																																																																																																																																																																																													
Client Information Client: <u>PWGC</u> Address: <u>630 Sonoma Ave</u> <u>Bohemia, NY</u> Phone: <u>631-584-6353</u> Fax: _____ Email: <u>H.Moran-Botten@pwgc.com</u>		Project Manager: <u>Heather Moran-Botten</u> ALPHAQuote #: _____ Turn-Around Time Standard ☐ Due Date: <u>Friday</u> Rush (only if pre approved) ☒ # of Days: <u>9/1</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____																																																																																																																																																																																																																													
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-18	Trip Blank																																																																																																																										
-19	Trip Blank 2																																																																																																																										
Relinquished By: <u>[Signature]</u>		Date/Time: <u>8/31/17 16:30</u>		Received By: <u>[Signature]</u>		Date/Time: <u>8/31/17 16:30</u>																																																																																																																					



ANALYTICAL REPORT

Lab Number:	L1730591
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Heather Moran-Botta
Phone:	(631) 589-6353
Project Name:	BSC1709
Project Number:	BSC1709
Report Date:	09/05/17

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: BSC1709**Project Number:** BSC1709**Lab Number:** L1730591**Report Date:** 09/05/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1730591-01	SV001	SOIL_VAPOR	BRONX	08/29/17 11:42	08/30/17
L1730591-02	SV002	SOIL_VAPOR	BRONX	08/29/17 11:40	08/30/17
L1730591-03	SV003	SOIL_VAPOR	BRONX	08/29/17 11:56	08/30/17
L1730591-04	SV004	SOIL_VAPOR	BRONX	08/29/17 11:45	08/30/17
L1730591-05	SV005	SOIL_VAPOR	BRONX	08/29/17 11:49	08/30/17
L1730591-06	SV006	SOIL_VAPOR	BRONX	08/29/17 11:51	08/30/17
L1730591-07	SV007	SOIL_VAPOR	BRONX	08/29/17 11:47	08/30/17
L1730591-08	SV008	SOIL_VAPOR	BRONX	08/29/17 11:46	08/30/17
L1730591-09	SV009	SOIL_VAPOR	BRONX	08/29/17 11:52	08/30/17
L1730591-10	IA001	AIR	BRONX	08/29/17 11:43	08/30/17
L1730591-11	AA001	AIR	BRONX	08/29/17 11:50	08/30/17

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

HOLD POLICY

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

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

Project Name: BSC1709
Project Number: BSC1709

Lab Number: L1730591
Report Date: 09/05/17

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 21, 2017. The canister certification results are provided as an addendum.

L1730591-04, -05, -06, -08 and -09: The samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

The WG1037932-3 LCS recovery for 1,2,4-Trichlorobenzene (132%) is above the upper 130% acceptance limit. None of the samples associated with this LCS had this compound detected above the reporting limit therefore no further action is required.

Methane in Air

L1730591-01 through -11: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

Sample Receipt

The canister ID number for the sample designated SV002 (L1730591-02) is listed on the CoC as 2532 but should be 2352.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 09/05/17

AIR

Project Name: BSC1709**Project Number:** BSC1709**Lab Number:** L1730591**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-01
 Client ID: SV001
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/01/17 21:12
 Analyst: RY

Date Collected: 08/29/17 11:42
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.439	0.200	--	2.17	0.989	--		1
Chloromethane	0.252	0.200	--	0.520	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.95	1.00	--	9.38	2.38	--		1
Trichlorofluoromethane	0.636	0.200	--	3.57	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.70	0.500	--	5.15	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.25	0.200	--	3.89	0.623	--		1
Freon-113	1.87	0.200	--	14.3	1.53	--		1
trans-1,2-Dichloroethene	0.219	0.200	--	0.868	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.70	0.500	--	13.9	1.47	--		1
cis-1,2-Dichloroethene	1.64	0.200	--	6.50	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-01

Date Collected: 08/29/17 11:42

Client ID: SV001

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.384	0.200	--	1.88	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	6.80	0.200	--	37.1	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	8.55	0.200	--	45.9	1.07	--		1
2,2,4-Trimethylpentane	0.272	0.200	--	1.27	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.84	0.200	--	6.93	0.754	--		1
2-Hexanone	1.52	0.200	--	6.23	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	31.5	0.200	--	214	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.624	0.200	--	2.71	0.869	--		1
p/m-Xylene	2.29	0.400	--	9.95	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.532	0.200	--	2.27	0.852	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-01

Date Collected: 08/29/17 11:42

Client ID: SV001

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.902	0.200	--	3.92	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.295	0.200	--	1.45	0.983	--		1
1,2,4-Trimethylbenzene	0.874	0.200	--	4.30	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	63		60-140
chlorobenzene-d5	78		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-02
 Client ID: SV002
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/01/17 21:48
 Analyst: RY

Date Collected: 08/29/17 11:40
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.291	0.200	--	1.44	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.49	1.00	--	5.91	2.38	--		1
Trichlorofluoromethane	0.395	0.200	--	2.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.00	0.500	--	3.03	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	0.443	0.200	--	3.40	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.46	0.500	--	10.2	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-02

Date Collected: 08/29/17 11:40

Client ID: SV002

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	2.02	0.200	--	11.0	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.580	0.200	--	3.12	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.47	0.200	--	5.54	0.754	--		1
2-Hexanone	1.28	0.200	--	5.25	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	8.03	0.200	--	54.5	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.456	0.200	--	1.98	0.869	--		1
p/m-Xylene	1.88	0.400	--	8.17	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.406	0.200	--	1.73	0.852	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-02

Date Collected: 08/29/17 11:40

Client ID: SV002

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.772	0.200	--	3.35	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.351	0.200	--	1.73	0.983	--		1
1,2,4-Trimethylbenzene	1.05	0.200	--	5.16	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	69		60-140
Bromochloromethane	72		60-140
chlorobenzene-d5	76		60-140



Project Name: BSC1709**Project Number:** BSC1709**Lab Number:** L1730591**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-03
 Client ID: SV003
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/01/17 22:23
 Analyst: RY

Date Collected: 08/29/17 11:56
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.32	0.200	--	6.53	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.16	1.00	--	9.88	2.38	--		1
Trichlorofluoromethane	0.542	0.200	--	3.05	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.01	0.500	--	3.06	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	0.302	0.200	--	2.31	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	5.33	0.500	--	15.7	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-03

Date Collected: 08/29/17 11:56

Client ID: SV003

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.312	0.200	--	1.52	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.407	0.200	--	1.43	0.705	--		1
1,1,1-Trichloroethane	1.18	0.200	--	6.44	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.278	0.200	--	0.957	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.96	0.200	--	7.39	0.754	--		1
2-Hexanone	1.72	0.200	--	7.05	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	34.6	0.200	--	235	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.643	0.200	--	2.79	0.869	--		1
p/m-Xylene	2.53	0.400	--	11.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.775	0.200	--	3.30	0.852	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-03

Date Collected: 08/29/17 11:56

Client ID: SV003

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.981	0.200	--	4.26	0.869	--		1
4-Ethyltoluene	0.244	0.200	--	1.20	0.983	--		1
1,3,5-Trimethylbenzene	0.379	0.200	--	1.86	0.983	--		1
1,2,4-Trimethylbenzene	1.19	0.200	--	5.85	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	63		60-140
chlorobenzene-d5	77		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-04 D
 Client ID: SV004
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/01/17 22:55
 Analyst: RY

Date Collected: 08/29/17 11:45
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.24	1.00	--	6.13	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	1.30	1.00	--	2.88	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	ND	25.0	--	ND	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	28.4	5.00	--	67.5	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	13.4	2.50	--	40.6	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	5.74	1.00	--	17.9	3.11	--		5
Freon-113	1.02	1.00	--	7.82	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	5.48	2.50	--	16.2	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-04 D

Date Collected: 08/29/17 11:45

Client ID: SV004

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	3.04	1.00	--	10.7	3.52	--		5
1,1,1- Trichloroethane	4.76	1.00	--	26.0	5.46	--		5
Benzene	2.76	1.00	--	8.82	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	2.96	1.00	--	15.9	5.37	--		5
2,2,4- Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	2.10	1.00	--	8.61	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2- Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	19.2	1.00	--	72.4	3.77	--		5
2-Hexanone	1.16	1.00	--	4.75	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	29.0	1.00	--	197	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	4.80	1.00	--	20.8	4.34	--		5
p/m-Xylene	19.8	2.00	--	86.0	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-04 D

Date Collected: 08/29/17 11:45

Client ID: SV004

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	6.48	1.00	--	28.1	4.34	--		5
4-Ethyltoluene	1.16	1.00	--	5.70	4.92	--		5
1,3,5-Trimethylbenzene	1.28	1.00	--	6.29	4.92	--		5
1,2,4-Trimethylbenzene	3.85	1.00	--	18.9	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	80		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-05 D
 Client ID: SV005
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/01/17 23:28
 Analyst: RY

Date Collected: 08/29/17 11:49
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.07	0.400	--	5.29	1.98	--		2
Chloromethane	0.838	0.400	--	1.73	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	6.13	0.400	--	13.6	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	26.8	2.00	--	63.7	4.75	--		2
Trichlorofluoromethane	0.884	0.400	--	4.97	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	6.77	1.00	--	20.5	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.01	0.400	--	3.15	1.25	--		2
Freon-113	7.08	0.400	--	54.3	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	5.33	1.00	--	15.7	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-05 D

Date Collected: 08/29/17 11:49

Client ID: SV005

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	8.75	0.400	--	42.7	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	2.90	0.400	--	10.2	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	2.68	0.400	--	8.56	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.410	0.400	--	1.41	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	0.440	0.400	--	2.95	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	0.760	0.400	--	3.55	1.87	--		2
Heptane	2.05	0.400	--	8.40	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	16.4	0.400	--	61.8	1.51	--		2
2-Hexanone	1.60	0.400	--	6.56	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	6.73	0.400	--	45.6	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	4.10	0.400	--	17.8	1.74	--		2
p/m-Xylene	17.7	0.800	--	76.9	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.488	0.400	--	2.08	1.70	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-05 D

Date Collected: 08/29/17 11:49

Client ID: SV005

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	6.01	0.400	--	26.1	1.74	--		2
4-Ethyltoluene	1.14	0.400	--	5.60	1.97	--		2
1,3,5-Trimethylbenzene	1.16	0.400	--	5.70	1.97	--		2
1,2,4-Trimethylbenzene	3.85	0.400	--	18.9	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	80		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-06 D
 Client ID: SV006
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/17 00:01
 Analyst: RY

Date Collected: 08/29/17 11:51
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	1.23	0.400	--	2.54	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	3.42	0.400	--	7.57	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	186	2.00	--	442	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	8.51	1.00	--	25.8	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.38	0.400	--	4.30	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	27.8	1.00	--	82.0	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-06 D

Date Collected: 08/29/17 11:51

Client ID: SV006

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	2.36	0.400	--	11.5	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	2.87	0.400	--	10.1	1.41	--		2
1,1,1-Trichloroethane	0.628	0.400	--	3.43	2.18	--		2
Benzene	2.50	0.400	--	7.99	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	1.21	0.400	--	4.16	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	0.478	0.400	--	2.23	1.87	--		2
Heptane	1.87	0.400	--	7.66	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	14.6	0.400	--	55.0	1.51	--		2
2-Hexanone	3.99	0.400	--	16.4	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	0.460	0.400	--	3.12	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	3.76	0.400	--	16.3	1.74	--		2
p/m-Xylene	16.3	0.800	--	70.8	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.484	0.400	--	2.06	1.70	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-06 D

Date Collected: 08/29/17 11:51

Client ID: SV006

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	5.39	0.400	--	23.4	1.74	--		2
4-Ethyltoluene	0.948	0.400	--	4.66	1.97	--		2
1,3,5-Trimethylbenzene	0.938	0.400	--	4.61	1.97	--		2
1,2,4-Trimethylbenzene	2.93	0.400	--	14.4	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	82		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-07
 Client ID: SV007
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/17 00:37
 Analyst: RY

Date Collected: 08/29/17 11:47
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.320	0.200	--	1.58	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.4	1.00	--	39.0	2.38	--		1
Trichlorofluoromethane	0.306	0.200	--	1.72	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	5.27	0.500	--	16.0	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	8.94	0.500	--	26.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-07

Date Collected: 08/29/17 11:47

Client ID: SV007

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.423	0.200	--	2.07	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	0.863	0.200	--	4.71	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.255	0.200	--	0.878	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.45	0.200	--	6.77	0.934	--		1
Heptane	0.290	0.200	--	1.19	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.05	0.200	--	11.5	0.754	--		1
2-Hexanone	2.08	0.200	--	8.52	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	8.14	0.200	--	55.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.841	0.200	--	3.65	0.869	--		1
p/m-Xylene	3.20	0.400	--	13.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.655	0.200	--	2.79	0.852	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-07

Date Collected: 08/29/17 11:47

Client ID: SV007

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.33	0.200	--	5.78	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.379	0.200	--	1.86	0.983	--		1
1,2,4-Trimethylbenzene	1.15	0.200	--	5.65	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	64		60-140
chlorobenzene-d5	79		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-08 D
 Client ID: SV008
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/17 01:10
 Analyst: RY

Date Collected: 08/29/17 11:46
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2.33	0.400	--	11.5	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	0.502	0.400	--	1.11	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	12.4	2.00	--	29.5	4.75	--		2
Trichlorofluoromethane	1.35	0.400	--	7.59	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	10.7	1.00	--	32.4	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	0.620	0.400	--	1.93	1.25	--		2
Freon-113	0.472	0.400	--	3.62	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	4.51	1.00	--	13.3	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-08 D

Date Collected: 08/29/17 11:46

Client ID: SV008

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	14.9	0.400	--	72.8	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	0.732	0.400	--	2.58	1.41	--		2
1,1,1-Trichloroethane	2.81	0.400	--	15.3	2.18	--		2
Benzene	1.36	0.400	--	4.34	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	1.05	0.400	--	7.03	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	0.800	0.400	--	4.30	2.15	--		2
2,2,4-Trimethylpentane	0.510	0.400	--	2.38	1.87	--		2
Heptane	1.08	0.400	--	4.43	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	16.4	0.400	--	61.8	1.51	--		2
2-Hexanone	1.84	0.400	--	7.54	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	35.6	0.400	--	241	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	4.60	0.400	--	20.0	1.74	--		2
p/m-Xylene	20.0	0.800	--	86.9	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.706	0.400	--	3.01	1.70	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-08 D

Date Collected: 08/29/17 11:46

Client ID: SV008

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	6.88	0.400	--	29.9	1.74	--		2
4-Ethyltoluene	1.26	0.400	--	6.19	1.97	--		2
1,3,5-Trimethylbenzene	1.32	0.400	--	6.49	1.97	--		2
1,2,4-Trimethylbenzene	4.23	0.400	--	20.8	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	75		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-09 D
 Client ID: SV009
 Sample Location: BRONX
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/17 01:43
 Analyst: RY

Date Collected: 08/29/17 11:52
 Date Received: 08/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	1.20	0.400	--	2.65	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	161	2.00	--	382	4.75	--		2
Trichlorofluoromethane	0.438	0.400	--	2.46	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	10.4	1.00	--	31.5	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.10	0.400	--	3.43	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	32.4	1.00	--	95.6	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-09 D

Date Collected: 08/29/17 11:52

Client ID: SV009

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	3.99	0.400	--	19.5	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	4.49	0.400	--	15.8	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	1.44	0.400	--	4.60	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.490	0.400	--	1.69	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	0.506	0.400	--	2.36	1.87	--		2
Heptane	1.41	0.400	--	5.78	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	13.2	0.400	--	49.7	1.51	--		2
2-Hexanone	4.30	0.400	--	17.6	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	5.77	0.400	--	39.1	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	3.27	0.400	--	14.2	1.74	--		2
p/m-Xylene	13.8	0.800	--	59.9	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.426	0.400	--	1.81	1.70	--		2



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-09 D

Date Collected: 08/29/17 11:52

Client ID: SV009

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	4.60	0.400	--	20.0	1.74	--		2
4-Ethyltoluene	0.700	0.400	--	3.44	1.97	--		2
1,3,5-Trimethylbenzene	0.716	0.400	--	3.52	1.97	--		2
1,2,4-Trimethylbenzene	1.99	0.400	--	9.78	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	84		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-10
Client ID: IA001
Sample Location: BRONX
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/01/17 20:02
Analyst: RY

Date Collected: 08/29/17 11:43
Date Received: 08/30/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.452	0.200	--	2.24	0.989	--		1
Chloromethane	0.437	0.200	--	0.902	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.37	1.00	--	8.01	2.38	--		1
Trichlorofluoromethane	0.207	0.200	--	1.16	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-10

Date Collected: 08/29/17 11:43

Client ID: IA001

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.370	0.200	--	1.39	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-10

Date Collected: 08/29/17 11:43

Client ID: IA001

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	82		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-10
Client ID: IA001
Sample Location: BRONX
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 09/01/17 20:02
Analyst: RY

Date Collected: 08/29/17 11:43
Date Received: 08/30/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.068	0.020	--	0.461	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	85		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-11
Client ID: AA001
Sample Location: BRONX
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/01/17 19:26
Analyst: RY

Date Collected: 08/29/17 11:50
Date Received: 08/30/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.404	0.200	--	2.00	0.989	--		1
Chloromethane	0.474	0.200	--	0.979	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.49	1.00	--	5.91	2.38	--		1
Trichlorofluoromethane	0.241	0.200	--	1.35	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-11

Date Collected: 08/29/17 11:50

Client ID: AA001

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.320	0.200	--	1.21	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-11

Date Collected: 08/29/17 11:50

Client ID: AA001

Date Received: 08/30/17

Sample Location: BRONX

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	80		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-11
Client ID: AA001
Sample Location: BRONX
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 09/01/17 19:26
Analyst: RY

Date Collected: 08/29/17 11:50
Date Received: 08/30/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.056	0.020	--	0.380	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140



Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/01/17 16:24

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1037932-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/01/17 16:24

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1037932-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/01/17 16:24

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1037932-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/01/17 16:58

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 10-11 Batch: WG1037935-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1



Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/01/17 16:58

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 10-11 Batch: WG1037935-4								
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1



Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/01/17 16:58

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 10-11 Batch: WG1037935-4								
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1



Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/01/17 16:58

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 10-11 Batch: WG1037935-4								
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Lab Number: L1730591

Project Number: BSC1709

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1037932-3								
Chlorodifluoromethane	82		-		70-130	-		
Propylene	88		-		70-130	-		
Propane	66	Q	-		70-130	-		
Dichlorodifluoromethane	102		-		70-130	-		
Chloromethane	91		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Methanol	70		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	86		-		70-130	-		
Butane	68	Q	-		70-130	-		
Bromomethane	98		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethyl Alcohol	74		-		70-130	-		
Dichlorofluoromethane	86		-		70-130	-		
Vinyl bromide	101		-		70-130	-		
Acrolein	80		-		70-130	-		
Acetone	88		-		70-130	-		
Acetonitrile	71		-		70-130	-		
Trichlorofluoromethane	103		-		70-130	-		
iso-Propyl Alcohol	87		-		70-130	-		
Acrylonitrile	83		-		70-130	-		
Pentane	72		-		70-130	-		
Ethyl ether	74		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1037932-3								
1,1-Dichloroethene	95		-		70-130	-		
tert-Butyl Alcohol	79		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	83		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	94		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
Vinyl acetate	83		-		70-130	-		
2-Butanone	84		-		70-130	-		
cis-1,2-Dichloroethene	99		-		70-130	-		
Ethyl Acetate	93		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	78		-		70-130	-		
2,2-Dichloropropane	87		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
n-Hexane	76		-		70-130	-		
Isopropyl Ether	72		-		70-130	-		
Ethyl-Tert-Butyl-Ether	75		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
1,1-Dichloropropene	88		-		70-130	-		
Benzene	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1037932-3								
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	79		-		70-130	-		
Tertiary-Amyl Methyl Ether	76		-		70-130	-		
Dibromomethane	88		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	82		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	76		-		70-130	-		
Methyl Methacrylate	90		-		70-130	-		
Heptane	75		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	83		-		70-130	-		
trans-1,3-Dichloropropene	81		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	97		-		70-130	-		
1,3-Dichloropropane	95		-		70-130	-		
2-Hexanone	93		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	111		-		70-130	-		
Butyl Acetate	93		-		70-130	-		
Octane	79		-		70-130	-		
Tetrachloroethene	115		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1037932-3								
1,1,1,2-Tetrachloroethane	107		-		70-130	-		
Chlorobenzene	108		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	100		-		70-130	-		
1,2,3-Trichloropropane	97		-		70-130	-		
Nonane (C9)	82		-		70-130	-		
Isopropylbenzene	92		-		70-130	-		
Bromobenzene	93		-		70-130	-		
o-Chlorotoluene	100		-		70-130	-		
n-Propylbenzene	88		-		70-130	-		
p-Chlorotoluene	91		-		70-130	-		
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
tert-Butylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	101		-		70-130	-		
Decane (C10)	93		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	117		-		70-130	-		
1,4-Dichlorobenzene	118		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1037932-3								
sec-Butylbenzene	93		-		70-130	-		
p-Isopropyltoluene	85		-		70-130	-		
1,2-Dichlorobenzene	116		-		70-130	-		
n-Butylbenzene	101		-		70-130	-		
1,2-Dibromo-3-chloropropane	98		-		70-130	-		
Undecane	97		-		70-130	-		
Dodecane (C12)	105		-		70-130	-		
1,2,4-Trichlorobenzene	132	Q	-		70-130	-		
Naphthalene	102		-		70-130	-		
1,2,3-Trichlorobenzene	119		-		70-130	-		
Hexachlorobutadiene	123		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10-11 Batch: WG1037935-3								
Propylene	96		-		70-130	-		25
Dichlorodifluoromethane	87		-		70-130	-		25
Chloromethane	88		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	94		-		70-130	-		25
Vinyl chloride	92		-		70-130	-		25
1,3-Butadiene	96		-		70-130	-		25
Bromomethane	91		-		70-130	-		25
Chloroethane	90		-		70-130	-		25
Ethyl Alcohol	88		-		70-130	-		25
Vinyl bromide	92		-		70-130	-		25
Acetone	91		-		70-130	-		25
Trichlorofluoromethane	93		-		70-130	-		25
iso-Propyl Alcohol	101		-		70-130	-		25
Acrylonitrile	87		-		70-130	-		25
1,1-Dichloroethene	93		-		70-130	-		25
tert-Butyl Alcohol ¹	86		-		70-130	-		25
Methylene chloride	94		-		70-130	-		25
3-Chloropropene	100		-		70-130	-		25
Carbon disulfide	89		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		-		70-130	-		25
Halothane	109		-		70-130	-		25
trans-1,2-Dichloroethene	92		-		70-130	-		25
1,1-Dichloroethane	94		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10-11 Batch: WG1037935-3								
Methyl tert butyl ether	97		-		70-130	-		25
Vinyl acetate	86		-		70-130	-		25
2-Butanone	92		-		70-130	-		25
cis-1,2-Dichloroethene	95		-		70-130	-		25
Ethyl Acetate	98		-		70-130	-		25
Chloroform	95		-		70-130	-		25
Tetrahydrofuran	89		-		70-130	-		25
1,2-Dichloroethane	90		-		70-130	-		25
n-Hexane	93		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Benzene	90		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25
Cyclohexane	93		-		70-130	-		25
Dibromomethane ¹	77		-		70-130	-		25
1,2-Dichloropropane	92		-		70-130	-		25
Bromodichloromethane	95		-		70-130	-		25
1,4-Dioxane	97		-		70-130	-		25
Trichloroethene	94		-		70-130	-		25
2,2,4-Trimethylpentane	94		-		70-130	-		25
cis-1,3-Dichloropropene	99		-		70-130	-		25
4-Methyl-2-pentanone	94		-		70-130	-		25
trans-1,3-Dichloropropene	84		-		70-130	-		25
1,1,2-Trichloroethane	96		-		70-130	-		25

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10-11 Batch: WG1037935-3								
Toluene	95		-		70-130	-		25
2-Hexanone	93		-		70-130	-		25
Dibromochloromethane	102		-		70-130	-		25
1,2-Dibromoethane	97		-		70-130	-		25
Tetrachloroethene	97		-		70-130	-		25
1,1,1,2-Tetrachloroethane	91		-		70-130	-		25
Chlorobenzene	98		-		70-130	-		25
Ethylbenzene	98		-		70-130	-		25
p/m-Xylene	98		-		70-130	-		25
Bromoform	103		-		70-130	-		25
Styrene	100		-		70-130	-		25
1,1,2,2-Tetrachloroethane	95		-		70-130	-		25
o-Xylene	99		-		70-130	-		25
1,2,3-Trichloropropane ¹	89		-		70-130	-		25
Isopropylbenzene	94		-		70-130	-		25
Bromobenzene ¹	90		-		70-130	-		25
4-Ethyltoluene	106		-		70-130	-		25
1,3,5-Trimethylbenzene	107		-		70-130	-		25
1,2,4-Trimethylbenzene	109		-		70-130	-		25
Benzyl chloride	95		-		70-130	-		25
1,3-Dichlorobenzene	104		-		70-130	-		25
1,4-Dichlorobenzene	102		-		70-130	-		25
sec-Butylbenzene	94		-		70-130	-		25

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10-11 Batch: WG1037935-3								
p-Isopropyltoluene	90		-		70-130	-		25
1,2-Dichlorobenzene	105		-		70-130	-		25
n-Butylbenzene	101		-		70-130	-		25
1,2,4-Trichlorobenzene	115		-		70-130	-		25
Naphthalene	107		-		70-130	-		25
1,2,3-Trichlorobenzene	105		-		70-130	-		25
Hexachlorobutadiene	105		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1037932-5 QC Sample: L1730591-10 Client ID: IA001						
Dichlorodifluoromethane	0.452	0.479	ppbV	6		25
Chloromethane	0.437	0.452	ppbV	3		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	3.37	3.45	ppbV	2		25
Trichlorofluoromethane	0.207	0.218	ppbV	5		25
Isopropanol	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1037932-5 QC Sample: L1730591-10 Client ID: IA001						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.370	0.363	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1037932-5 QC Sample: L1730591-10 Client ID: IA001						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10-11 QC Batch ID: WG1037935-5 QC Sample: L1730591-10 Client ID: IA001						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.067	0.070	ppbV	4		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.068	0.068	ppbV	0		25

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-01 D

Client ID: SV001

Sample Location: BRONX

Date Collected: 08/29/17 11:42

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 12:19

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.200	--	2

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-02 D

Client ID: SV002

Sample Location: BRONX

Date Collected: 08/29/17 11:40

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 13:08

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.213	--	2.128

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-03 D

Client ID: SV003

Sample Location: BRONX

Date Collected: 08/29/17 11:56

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 13:57

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.225	--	2.247

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-04 D

Client ID: SV004

Sample Location: BRONX

Date Collected: 08/29/17 11:45

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 16:19

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.177	--	1.77

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-05 D

Client ID: SV005

Sample Location: BRONX

Date Collected: 08/29/17 11:49

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 17:07

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.190	--	1.905

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-06 D

Client ID: SV006

Sample Location: BRONX

Date Collected: 08/29/17 11:51

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 17:56

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.165	--	1.653

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-07 D

Client ID: SV007

Sample Location: BRONX

Date Collected: 08/29/17 11:47

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 18:45

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.194	--	1.942

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-08 D

Client ID: SV008

Sample Location: BRONX

Date Collected: 08/29/17 11:46

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 19:34

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.247	--	2.469

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-09 D

Client ID: SV009

Sample Location: BRONX

Date Collected: 08/29/17 11:52

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Soil_Vapor

Analytical Method: 51,3C

Analytical Date: 09/02/17 20:23

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Fixed Gases by GC - Mansfield Lab

Methane	ND		%	0.182	--	1.818

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-10 D

Client ID: IA001

Sample Location: BRONX

Date Collected: 08/29/17 11:43

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Air

Analytical Method: 51,3C(M)

Analytical Date: 09/02/17 11:30

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Dissolved Gases in Air - Mansfield Lab

Methane	2.32		ppmV	1.52	--	1.515

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**SAMPLE RESULTS**

Lab ID: L1730591-11 D

Client ID: AA001

Sample Location: BRONX

Date Collected: 08/29/17 11:50

Date Received: 08/30/17

Field Prep: Not Specified

Extraction Method:

Matrix: Air

Analytical Method: 51,3C(M)

Analytical Date: 09/02/17 10:42

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Dissolved Gases in Air - Mansfield Lab

Methane	2.07		ppmV	1.80	--	1.802

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**Method Blank Analysis**
Batch Quality Control

Analytical Method: 51,3C

Analytical Date: 09/02/17 10:14

Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
Fixed Gases by GC - Mansfield Lab for sample(s): 01-09 Batch: WG1038101-2					
Methane	ND		%	0.100	--

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 51,3C(M)**Analytical Date:** 09/02/17 10:14**Analyst:** RY

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases in Air - Mansfield Lab for sample(s): 10-11 Batch: WG1038506-2					
Methane	ND		ppmV	1.00	--

Lab Control Sample Analysis

Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<i>%Recovery</i> <i>Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> <i>Limits</i>
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-09 Batch: WG1038101-1								
Methane	113		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 10-11 Batch: WG1038506-1								
Methane	103		-		80-120	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: BSC1709

Project Number: BSC1709

Lab Number: L1730591

Report Date: 09/05/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-10	QC Sample: L1730591-06	Client ID: SV006		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-11	QC Sample: L1730591-07	Client ID: SV007		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-12	QC Sample: L1730591-08	Client ID: SV008		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-13	QC Sample: L1730591-09	Client ID: SV009		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-5	QC Sample: L1730591-01	Client ID: SV001		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-6	QC Sample: L1730591-02	Client ID: SV002		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-7	QC Sample: L1730591-03	Client ID: SV003		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-8	QC Sample: L1730591-04	Client ID: SV004		
Methane	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab	Associated sample(s): 01-09	QC Batch ID: WG1038101-9	QC Sample: L1730591-05	Client ID: SV005		
Methane	ND	ND	%	NC		5

Project Name: BSC1709

Project Number: BSC1709

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1730591

Report Date: 09/05/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 10-11 QC Batch ID: WG1038506-3 QC Sample: L1730591-11 Client ID: AA001						
Methane	2.07	2.06	ppmV	0		5
Dissolved Gases in Air - Mansfield Lab Associated sample(s): 10-11 QC Batch ID: WG1038506-4 QC Sample: L1730591-10 Client ID: IA001						
Methane	2.32	2.32	ppmV	0		5

Project Name: BSC1709

Project Number: BSC1709

Serial_No:09051714:52
Lab Number: L1730591

Report Date: 09/05/17

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1730591-01	SV001	0721	Flow 3	08/21/17	247717		-	-	-	Pass	40.0	49	20
L1730591-01	SV001	1862	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.6	-7.9	-	-	-	-
L1730591-02	SV002	0797	Flow 3	08/21/17	247717		-	-	-	Pass	39.1	35	11
L1730591-02	SV002	2352	6.0L CAN	08/21/17	247717	L1728890-01	Pass	-29.4	-9.3	-	-	-	-
L1730591-03	SV003	0938	Flow 4	08/21/17	247717		-	-	-	Pass	39.2	45	14
L1730591-03	SV003	748	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.7	-10.4	-	-	-	-
L1730591-04	SV004	0810	Flow 3	08/21/17	247717		-	-	-	Pass	40.0	46	14
L1730591-04	SV004	1863	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.7	-6.4	-	-	-	-
L1730591-05	SV005	0579	Flow 3	08/21/17	247717		-	-	-	Pass	40.0	45	12
L1730591-05	SV005	694	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.4	-7.7	-	-	-	-
L1730591-06	SV006	0441	Flow 3	08/21/17	247717		-	-	-	Pass	39.7	48	19
L1730591-06	SV006	810	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.4	-4.5	-	-	-	-
L1730591-07	SV007	0940	Flow 5	08/21/17	247717		-	-	-	Pass	40.0	46	14
L1730591-07	SV007	2324	6.0L CAN	08/21/17	247717	L1728788-01	Pass	-29.5	-7.5	-	-	-	-
L1730591-08	SV008	0778	Flow 4	08/21/17	247717		-	-	-	Pass	39.3	41	4

Project Name: BSC1709

Project Number: BSC1709

Serial_No:09051714:52
Lab Number: L1730591

Report Date: 09/05/17

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1730591-08	SV008	1813	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.4	-12.5	-	-	-	-
L1730591-09	SV009	0930	Flow 2	08/21/17	247717		-	-	-	Pass	39.6	49	21
L1730591-09	SV009	1642	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.5	-6.6	-	-	-	-
L1730591-10	IA001	0360	Flow 1	08/21/17	247717		-	-	-	Pass	40.0	85	72
L1730591-10	IA001	2281	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.6	0.2	-	-	-	-
L1730591-11	AA001	0922	Flow 5	08/21/17	247717		-	-	-	Pass	39.9	48	18
L1730591-11	AA001	584	6.0L Can	08/21/17	247717	L1728788-01	Pass	-29.7	-5.5	-	-	-	-

Project Name:**Lab Number:** L1728788**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728788-01
 Client ID: CAN 2113 SHELF 56
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/18/17 11:14
 Analyst: MB

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name:

Lab Number: L1728788

Project Number: CANISTER QC BAT

Report Date: 09/05/17

Air Canister Certification Results

Lab ID: L1728788-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2113 SHELF 56

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name:

Lab Number: L1728788

Project Number: CANISTER QC BAT

Report Date: 09/05/17

Air Canister Certification Results

Lab ID: L1728788-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2113 SHELF 56

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name:

Lab Number: L1728788

Project Number: CANISTER QC BAT

Report Date: 09/05/17

Air Canister Certification Results

Lab ID: L1728788-01
 Client ID: CAN 2113 SHELF 56
 Sample Location:

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	5.7	J	ppbV		1



Project Name:

Lab Number: L1728788

Project Number: CANISTER QC BAT

Report Date: 09/05/17

Air Canister Certification Results

Lab ID: L1728788-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2113 SHELF 56

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

Project Name:**Lab Number:** L1728788**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728788-01
 Client ID: CAN 2113 SHELF 56
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/18/17 11:14
 Analyst: MB

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1



Project Name:**Lab Number:** L1728788**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728788-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2113 SHELF 56

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1



Project Name:

Lab Number: L1728788

Project Number: CANISTER QC BAT

Report Date: 09/05/17

Air Canister Certification Results

Lab ID: L1728788-01
 Client ID: CAN 2113 SHELF 56
 Sample Location:

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140



Project Name:**Lab Number:** L1728890**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728890-01
 Client ID: CAN 2062 SHELF 57
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/18/17 11:46
 Analyst: MB

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name:**Lab Number:** L1728890**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728890-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2062 SHELF 57

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name:**Lab Number:** L1728890**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728890-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2062 SHELF 57

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name:**Lab Number:** L1728890**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728890-01
 Client ID: CAN 2062 SHELF 57
 Sample Location:

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name:

Lab Number: L1728890

Project Number: CANISTER QC BAT

Report Date: 09/05/17

Air Canister Certification Results

Lab ID: L1728890-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2062 SHELF 57

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140

Project Name:**Lab Number:** L1728890**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728890-01
 Client ID: CAN 2062 SHELF 57
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/18/17 11:46
 Analyst: MB

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1



Project Name:**Lab Number:** L1728890**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728890-01

Date Collected: 08/16/17 16:00

Client ID: CAN 2062 SHELF 57

Date Received: 08/17/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1



Project Name:**Lab Number:** L1728890**Project Number:** CANISTER QC BAT**Report Date:** 09/05/17**Air Canister Certification Results**

Lab ID: L1728890-01
 Client ID: CAN 2062 SHELF 57
 Sample Location:

Date Collected: 08/16/17 16:00
 Date Received: 08/17/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	92		60-140



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

N/A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1730591-01A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-02A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-03A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-04A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-05A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-06A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-07A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-08A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-09A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		FIXGAS(30),TO15-LL(30)
L1730591-10A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		TO15-SIM(30)
L1730591-11A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		DISSGAS-AIR(30),TO15-SIM(30)

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report



Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17**Data Qualifiers**

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: BSC1709**Lab Number:** L1730591**Project Number:** BSC1709**Report Date:** 09/05/17

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.
- 51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.****EPA 624:** Volatile Halocarbons & Aromatics,**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



CHAIN OF CUSTODY

AIR ANALYSIS

PAGE 1 OF 2

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: PW Grosser Inc
Address: 630 Johnson Ave
Bohemia NY
Phone: 631-589-6353
Fax:
Email: H.Morgan-Battar@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: BSL1704
Project Location: Bronx
Project #:
Project Manager: Heather Morgan-Battar
ALPHA Quote #:

Turn-Around Time

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

Date Due: Friday 9/1 Time:

Date Rec'd in Lab: 8/31/17

ALPHA Job #: L1730591

Report Information - Data Deliverables

☐ FAX
☐ ADEX
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION			Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15 TO-15 SIM APH Fixed Gases Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time									
30591.01	SV001	8/29	942	1142	-29.86	-7.86	SV	NR		1862	0721	8	
.02	SV002		940	1140	-20.30	-9.37				2532	0797	8	
.03	SV003		956	1156	-30.41	-10.92				748	0938	8	
.04	SV004		945	1145	-31.04	-6.90				1863	0810	8	
.05	SV005		949	1149	-30.02	-7.38				674	0574	8	
.06	SV006		951	1151	-29.54	-4.75				810	0441	8	
.07	SV007		947	1147	-29.10	-6.46				2324	0940	8	
.08	SV008		946	1146	-30.40	-12.76				1813	0778	8	
.09	SV009		952	1152	-30.27	-6.80				1642	0930	8	
.10	IA001		943	1143	-27.96	-0.01	AA			2281	0360	7	

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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

APPENDIX D

Indoor Air Matrices

NYSDOH Decision Matrix A Sample Location SV001/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60	45.9	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV001/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60	6.5	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV001/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV001/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV001/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	214	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV001/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	37.1	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV001/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV001/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV002/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6	3.12	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV002/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV002/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV002/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV002/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	54.5	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV002/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	11	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV002/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV002/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV003/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV003/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV003/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV003/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV003/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	235	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV003/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1- Trichloroethane (ug/m3)	< 100	6.44	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV003/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV003/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV004/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60	15.9	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV004/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV004/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60	15.9	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV004/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV004/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	197	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV004/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	26	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV004/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV004/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV005/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV005/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV005/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV005/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV005/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	45.6	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV005/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV005/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV005/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV006/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV006/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV006/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV006/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV006/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	3.12	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV006/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	3.43	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV006/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV006/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV007/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV007/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV007/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV007/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV007/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	55.2	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV007/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	4.71	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV007/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV007/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV008/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) ($\mu\text{g}/\text{m}^3$)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) ($\mu\text{g}/\text{m}^3$)	< 6	4.3	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV008/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene ($\mu\text{g}/\text{m}^3$)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene($\mu\text{g}/\text{m}^3$)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV008/AA001			Indoor Air Concentration - 1,1-Dichloroethene ($\mu\text{g}/\text{m}^3$)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE ($\mu\text{g}/\text{m}^3$)	< 6	4.3	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV008/IA001			Indoor Air Concentration - Carbon Tetrachloride ($\mu\text{g}/\text{m}^3$)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride($\mu\text{g}/\text{m}^3$)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV008/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	241	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV008/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	15.3	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV008/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV008/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location SV009/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.107		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV009/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV009/AA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV009/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.421	
Sub-Slab Concentration - Carbon Tetrachloride(µg/m³)	< 6	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV009/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.461		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	39.1	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV009/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV009/AA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV009/AA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE