APPENDIX J
PROJECT PHOTOGRAPH LOG

Photographic Log

Photo 1: View of Rise Development demolishing former concrete cover located in the northern region of the site, facing north. Taken on 10/07/2019.

Photo 2: View of imported 3/4-inch RCA and the filter fabric placed along the construction entrance in the western region of the site, facing east. Taken on 10/11/2019.

Photo 3: View of Rise Development excavating hazardous chromium impacted soil along the central-east region of the site, facing southeast. Taken on 10/14/2019.

Photo 4: View of Rise Development washing tires within the decontamination area, facing southeast. Taken on 10/14/2019.

Photo 5: Close-up view of the approximately 300-gallon UST identified during excavation activities. The UST was partially encased in concrete, and no evidence of a release was observed in the vicinity, facing north. Taken on 10/18/2019.

Photo 6: View of UST wrapped with polyethylene sheeting pending decommissioning by an FDNY-certified contractor, facing north. Taken on 10/18/2019.

Photo 7: View of soldier pile drilling in the northeast region of the site. Drilling spoils were placed on poly sheeting adjacent to the work area, facing northeast. Taken on 10/21/2019.

Photo 8: View of stockpiled soil covered with poly sheeting during excavation activities, facing north. Taken on 10/25/2019.

Photo 9: View of Rise Development loading a tri-ale truck with soil from Grid X West for off-site disposal, facing southeast. Taken on 10/28/2019.

Photo 10: View of Rise Development spreading out 1-1.5" RCA on geotextile fabric for the new truck was area along 30th Street, facing east. Taken on 10/30/2019.

Photo 11: View of entrance of the site, facing east. Taken on 10/30/2019.

Photo 12: View of excavation progress, facing southwest. Taken on 11/04/2019.

Photo 13: View of underpinning formwork installation as part of the support of excavation (SOE) system in the eastern region of the site, facing east. Taken on 11/05/2019.

Photo 14: General view of excavation progress in the northern region of the site, facing east. 11/08/2019.

Photo 15: View of performance monitoring well installation in the central-east region of the site facing northeast. Taken on 11/11/2019.

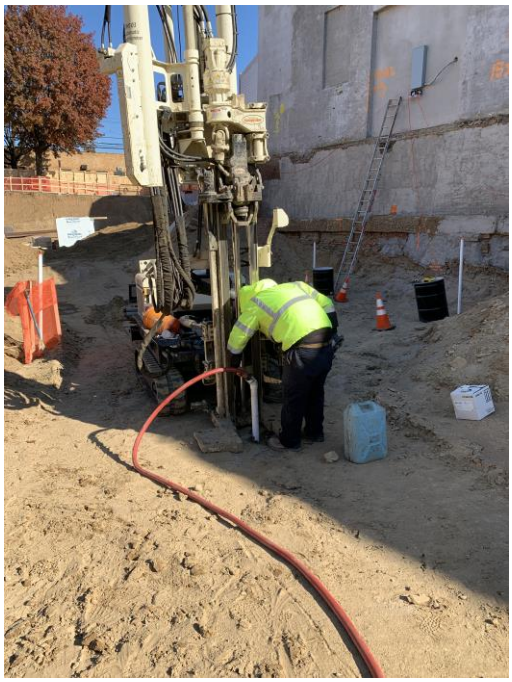


Photo 16: View of Blue World Construction prepping temporary 2-inch PVC well for SMZVI groundwater injections, facing northeast. Taken on 11/13/2018.

Photo 17: View of temporary groundwater injection points/wells installed in the central-east region of the site, facing northeast. Taken on 11/19/2019.

Photo 18: View of foundation footing formwork installation in the northeast region of the site, facing north. Taken on 11/21/2019.

Photo 19: View of general excavation progress, facing northeast. Taken on 11/25/2019.

Photo 20: View of Rise Development stockpiling soil from on polyethylene sheeting prior to off-site disposal to a permitted facility. Taken on 12/04/2019.

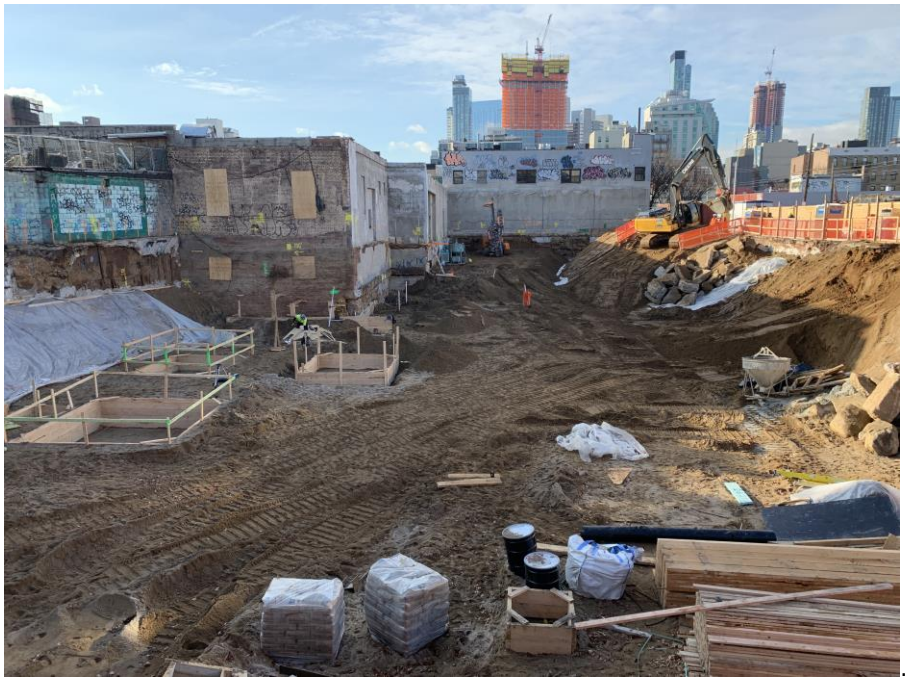


Photo 21: View of general excavation progress, facing south. Taken on 12/05/2019.

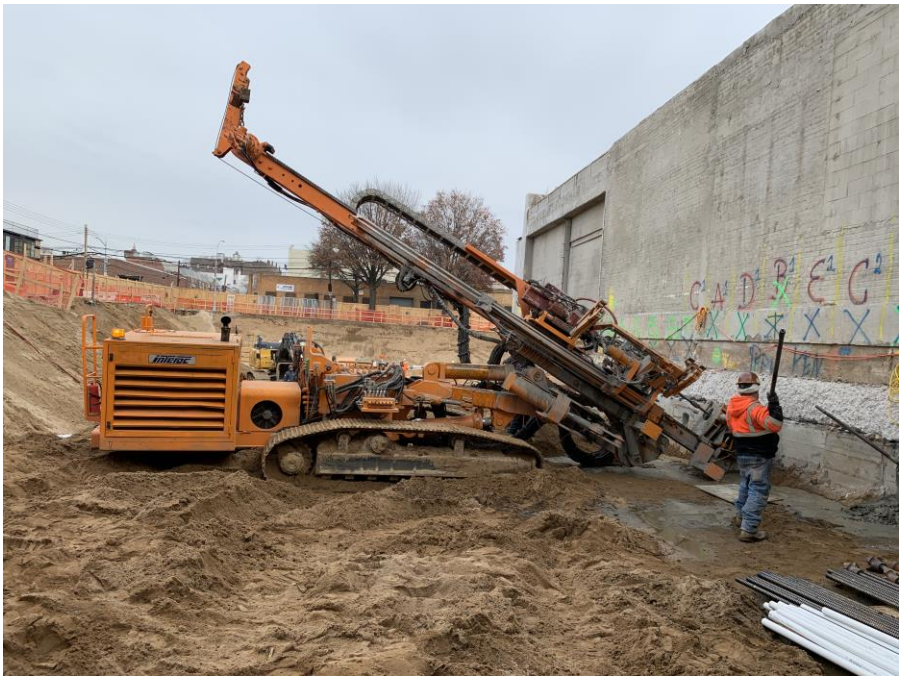


Photo 22: View of tieback installation along the southeast border of the site, facing north. Taken on 12/04/2019.

Photo 23: View of completed tiebacks installed in the southeast region of the site, facing southeast. Taken on 12/06/2019.

Photo 24: View of stockpiled soil covered with polyethylene sheeting pending future off-site disposal, facing east. Taken on 12/06/2018.

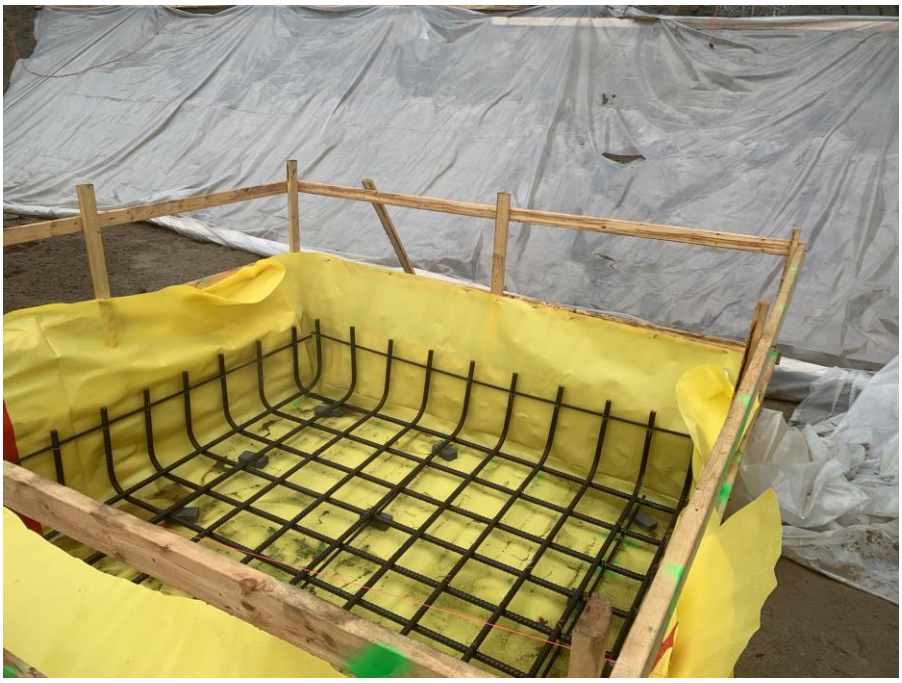


Photo 25: View of vapor barrier installation below a future foundation footing element in the northeast region of the site, facing northeast. Taken on 12/10/2019.

Photo 26: View of vapor barrier installation around future foundation footings and general excavation progress, facing south. Taken on 12/5/2019.

Photo 27: View of Rise Development stockpiling soil from the eastern region of the site on polyethylene sheeting for future off-site disposal, facing east. Taken on 12/16/2019.

Photo 28: View of Rise Development installing the 20-mil vapor barrier along the eastern border of the site, facing east. Taken on 12/20/2020

Photo 29: View of Rise Development excavating soil/fill in the southeast region of the site for foundation formwork installation, facing northeast. Taken on 12/27/2020.

Photo 30: View of Rise Development installing vapor barrier along the southeast region of the site, facing northeast. Taken on 12/31/2020.

Photo 31: View of formwork installation progress in the northwest region of the site, facing northeast. Taken on 01/03 /2020

Photo 32: View of Rise Development covering soil stockpiles with polyethylene sheeting, facing northeast. Taken on 01/06/2020.

Photo 33: View of concrete formwork installation along eastern boundary of the site, facing southeast. Taken on 01/09/2020.

Photo 34: View of vapor barrier installation progress within a future concrete footing in the northwest region of the site, facing northeast. Taken on 01/10/2020.

Photo 35: View of excavation and future footing formwork installation progress in the southwest region of the site, facing north. Taken on 2/15/2020.

Photo 36: View of vapor barrier installation in the southwest region of the site, facing northeast. Taken on 01/23/2020.

Phot 37: View of concrete foundation footing installation in the southeast region of the site, facing south. Taken on 01/27/2020.

Photo 38: View of Rise Development drilling caissons in the northern region of the site as part of SOE installation, facing northeast. Taken on 02/19/2020.

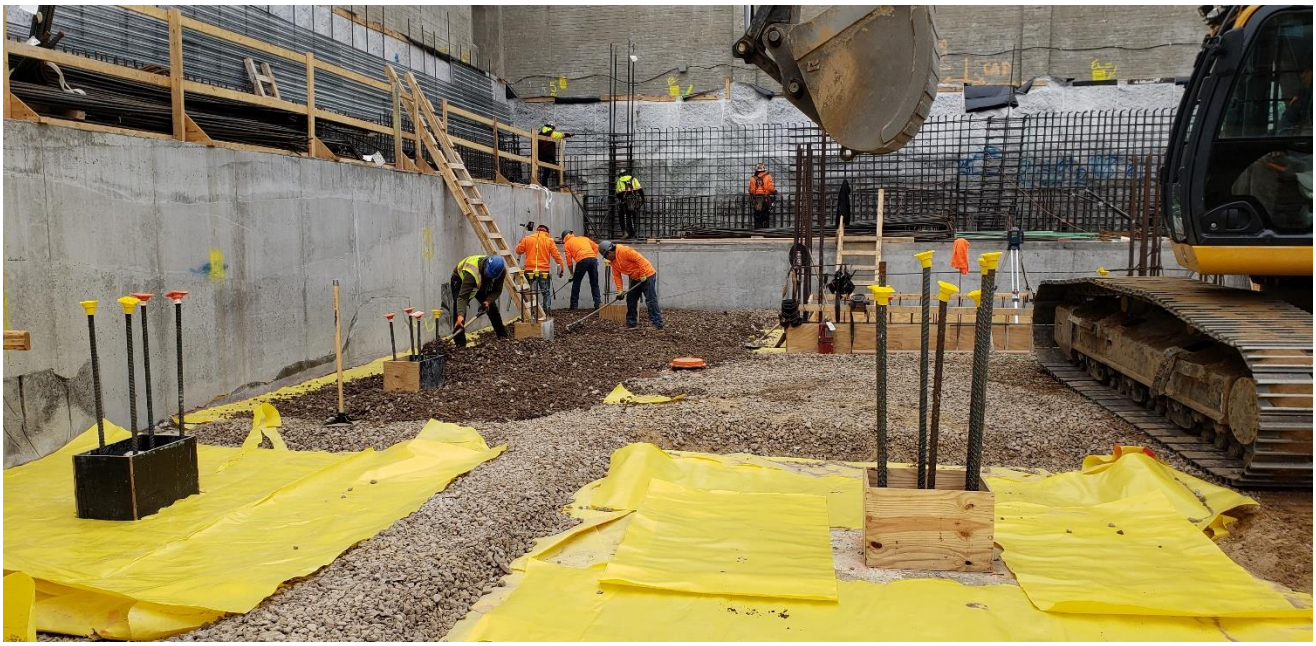


Photo 39: View of Rise Development grading RCA in the southeast region of the site to create a foundation sub-base, facing south. Taken 02/25/2020.

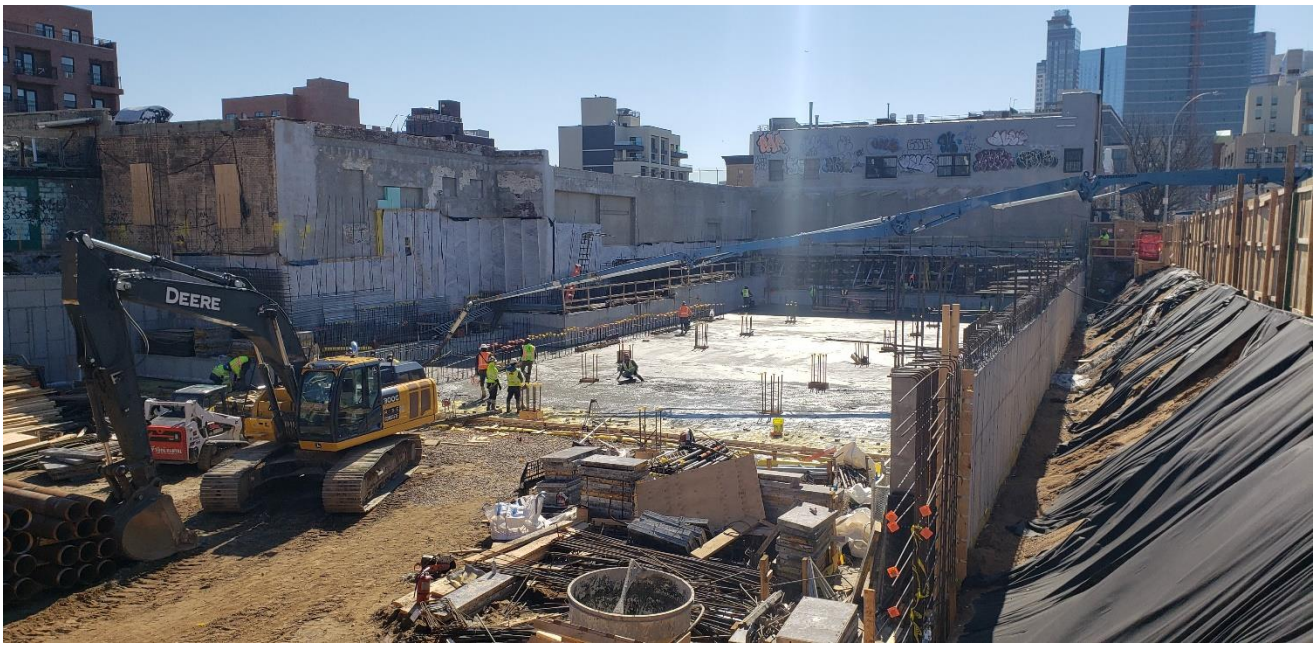


Photo 40: View of slab on grade foundation installation progress in the southern region of the site, facing south. Taken on 03/04/2020.

Photo 41: View of Rise Development excavating the temporary working platform along northern boundary of site to install wooden lagging as part of the SOE, facing northwest. Taken on 03/13/2020

Photo 42: Rise Development installing additional lagging along the northeast BCP site boundary, facing east. Taken on 03/13/2020.

Photo 43: General view of the temporary working platform/site access ramp located in the northern region of the site, facing southwest. Taken on 04/20/2020.

Photo 44: View of elevator pit excavation progress in the northern region of the site, facing southwest. Taken on 05/05/2020.

Photo 45: View of superstructure construction progress in the southern region of the site, facing southwest. Taken on 05/27/2020.

Photo 46: View of foundation construction process in the northwest region of the site, facing west. Taken on 06/02/2020

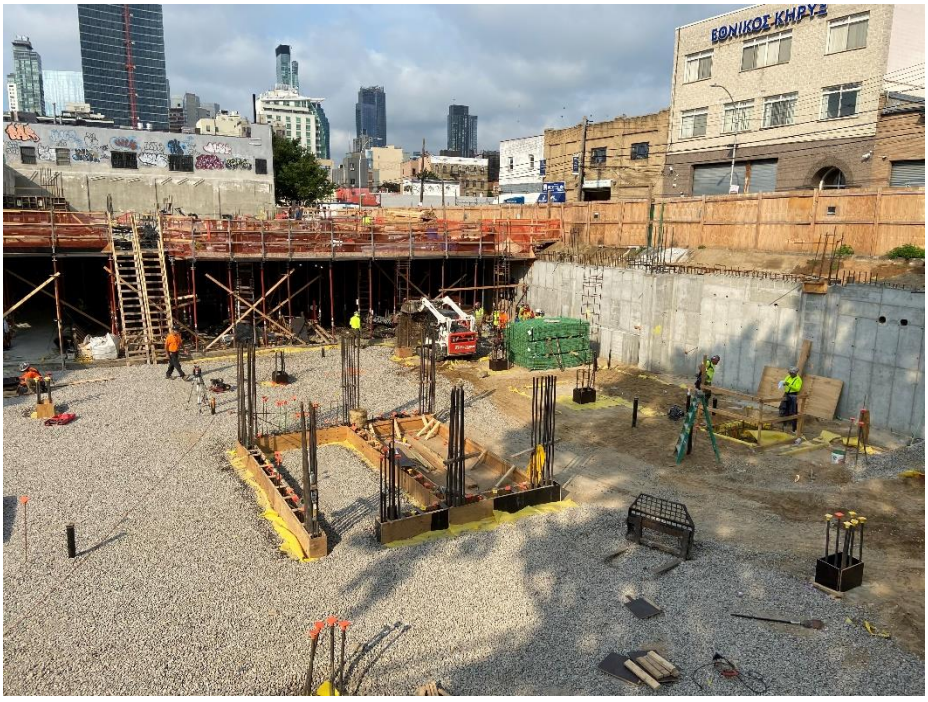


Photo 47: View of RCA graded in the northern portion of the site (as a foundation sub-base), facing southwest. Taken on 07/08/2020

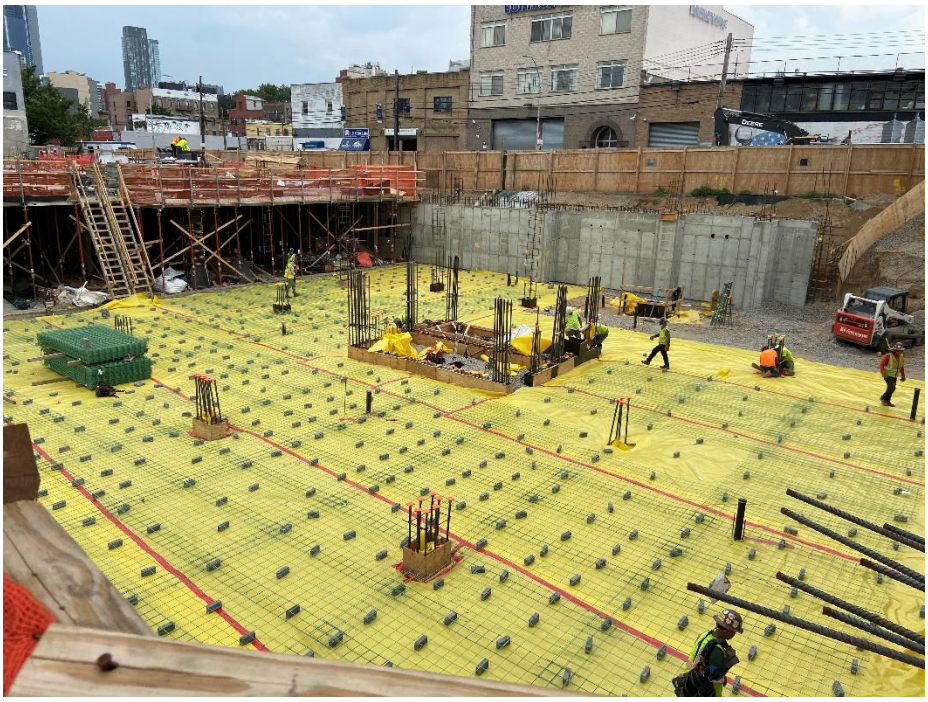


Photo 48: View of vapor barrier installation and concrete reinforcing wire mesh placement progress throughout the northern portion of the site, facing east. Taken on 07/08/2020

APPENDIX K
WASTE CHARACTERIZATION REPORTS

LANGAN

April 16, 2019

37-11 30th Street Holdings LLC
c/o Slate Property Group
38 East 29th Street, 9th Floor
New York, New York

Re: Waste Characterization Report
37-11 30th Street
Queens, New York
NYSDEC BCP Site No. C241211
Langan Project No.: 170512301

Dear Mr. Schwartz:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan), prepared this Waste Characterization Report in support of the planned development at 37-11 30th Street and 30-14 37th Avenue in the Long Island City neighborhood of Queens, New York (the site). This report summarizes the results of waste characterization and hazardous chromium delineation soil sampling, and can be used to assist the contractor in selecting an appropriate off-site disposal facility or for determining if the material meets applicable environmental regulatory criteria for on-site reuse.

This report documents soil characterization performed throughout the site and includes a description of the site background and sampling methodology, a boring location plan, a sample summary, tabulated summaries of analytical results, and boring logs. Additional sampling may be necessary to comply with the sampling frequency and analytical requirements of selected disposal facilities.

BACKGROUND

Site Description

The site is located at 37-11 30th Street and 30-14 37th Avenue in the Long Island City neighborhood of Queens, New York and is identified as Block 372, Lot 21 and a part of Lot 8, on the Queens Borough Tax Map. The site encompasses an area of about 26,978 square-feet (0.61 acres) and is occupied by a three-story warehouse building with multiple partial cellar levels in the southern part of Lot 8 (37-11 30th Street), a stockyard/storage area in the northern part of Lot 8, and a vacant lot on Lot 21 (30-14 37th Avenue). A lighting, audio, and production rental and warehousing company most recently occupied the buildings in Lot 8, and a two story residential building demolished in 2018 formerly occupied the eastern part of Lot 21. The site is bound by 37th

Avenue to the north, 31st Street to the east, 38th Avenue to the south, and 30th Street to the west. The elevated N and Q subway tracks run north-south above 31st Street and are located about 100 feet east of the site.

According to the architectural survey prepared by Montrose Surveying Co., LLP and dated July 26, 2017, surface sidewalk elevations range from about elevation (el) 40.87[1] (at the southwest corner) to el 44.33 (on the north side). A site location map is included as Figure 1, and a site plan is provided as Figure 2.

Proposed Development

37-11 30th Street Holdings LLC (the Owner) executed a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on July 9, 2018 and Brownfield Cleanup Program (BCP) Site No. C241211 was assigned. The development will include abatement and demolition of the existing three- and one-story warehouse buildings within the southern part of the site (Tax Block 372, Lot 8). A new seven-story, mixed-use residential, commercial, and light manufacturing building will be constructed with a footprint of about 26,978 square feet. The new development will include one full cellar level and about 12,500 square feet of commercial/retail areas, about 10,000 square feet of light manufacturing areas, about 2,500 square feet of ventilated parking space, and about 1,800 square feet of residential amenity space on the first floor. The second through seventh floors will be occupied by 198 residential units, thirty percent of which will be designated for affordable housing.

Excavation across the site footprint to el 26.5 to el 29.5 (about 15 feet below grade) will be required to accomplish the proposed Track 1 unrestricted remediation and to accommodate construction of the cellar levels and foundation components.

Environmental History

Historical Sanborn Fire Insurance Maps indicate that the site was an undeveloped vacant lot until at least 1898. The 1915 map indicates the northern portion of the site was occupied by "McLaughlins Garage" and a residential development, while the southern portion of the site remained vacant. By 1920, the existing on-site warehouse was constructed and beginning in 1930 was occupied by a plastics manufacturer. The Marblette Corp. Mfg. of Plastic Materials occupied the site from at least 1930 to about 1980. During this time period, plastic was typically made using a mixture of synthetic chemicals, chlorinated solvents, metals and petroleum products. Following 1980, the site was occupied by a warehousing and distribution center for lighting and staging equipment.

The following previous environmental reports and investigations were reviewed as part of this preliminary waste characterization and are summarized in the April 4, 2019 Remedial Investigation Report (RIR). The reports are included in the RIR under separate cover.

[1] Elevations herein are referenced to the North American Vertical Datum of 1988 (NAVD88)

- Phase I Environmental Site Assessment (ESA), prepared by Hillman Consulting LLC, Dated April 8, 2014
- Focused Subsurface Site Investigation, prepared by Merritt Environmental Consulting Corp., Dated July 7, 2014
- Limited Subsurface Investigation, prepared by Hydro Tech Environmental Corp., dated December 2017
- Remedial Investigation Report, prepared by Langan, dated April 4, 2019

The previous environmental reports and the April 4, 2019 RIR identified historic fill material from surface grade to about 8 feet below grade surface (bgs). Historic fill material contain semivolatile organic compounds (SVOC), pesticides, and metals at concentrations above Title 6 New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use (UU), Restricted Use Restricted-Residential (RURR) and/or Protection of Groundwater (PG) soil cleanup objectives (SCO). In addition, toxicity characteristic leaching procedure (TCLP) analysis of soil collected in the central-east portion of the site (SB04) identified chromium above the United States Environmental Protection Agency (USEPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste in two samples, prompting a chromium delineation. The hazardous chromium delineation was performed as part of the waste characterization and is further described below.

FIELD INVESTIGATION

Sampling Methodology – Preliminary Waste Characterization

Langan performed waste characterization soil sampling between September 26 and October 5, 2018. AARCO Environmental Services Corp. (AARCO), of Lindenhurst, New York, advanced 13 soil borings (SB01 through SB13) using a track-mounted Geoprobe® 6610DT/ Geoprobe® 7822DT direct-push drill rig or Geoprobe® Sonic 8140LC drill rig. Boring locations are shown on Figure 3.

Discrete soil samples were collected from the surface to the final depth of each boring (proposed development depth of 15 feet bgs) and were visually classified for soil type, grain size, texture, and moisture content. Samples were collected in 5-foot long plastic bag liners from the sonic drill core barrel, and 4-foot long dedicated acetate liners from the direct push Geoprobe® 7822DT and Geoprobe® 6610DT. The soil was screened for visual, olfactory, and instrumental evidence of environmental impacts and was visually classified for soil type, grain size, texture, and moisture content. Instrument screening for the presence of volatile organic compounds (VOC) was performed with a photoionization detector (PID) equipped with a 10.6-electron volt (eV) lamp. A Langan engineer documented the work, logged the soil type, screened the soil samples for environmental impacts, and collected environmental samples for laboratory analyses. Soil boring logs are included as Attachment 1. Soil cuttings were backfilled into the original boring locations and/or containerized into Department of Transportation (DOT)-approved 55-gallon steel drums following sample collection.

The site was divided into six waste characterization areas based on the proposed excavation extent and approximate volume to be excavated. A total of 20 grab samples (including one duplicate) and 19 composite samples (including one duplicate) were collected and analyzed as part of the waste characterization. Grab samples were collected from the depth interval exhibiting the greatest visual, olfactory, and instrumental evidence of a chemical or petroleum release, if observed. The composite samples were created by homogenizing five grab samples from at least two borings. Samples submitted for VOC analysis were collected directly from the plastic bag or acetate liner via laboratory-supplied Terra Core soil samplers.

During the Remedial Investigation (RI), total lead was detected above NYSDEC Part 375 UU SCOs, RURR SCOs, and PG SCOs at a concentration of 8,750 mg/kg in soil boring SB06 from 1 to 2 feet bgs. One boring was advanced adjacent to the original SB06 boring location (SB06A) to 3 feet bgs. One grab soil sample was collected at SB06A and analyzed to delineate the extent of lead impacted soil and determine if hazardous lead was present.

Soil Sample Analysis – Preliminary Waste Characterization

Sample sets are described as follows:

- Three sample sets were collected from borings SB02 and SB10 from 0 to 5 feet bgs, 5 to 10 feet bgs, and 10 to 15 feet bgs to define excavation area WC01.
- Three sample sets were collected from borings SB01 and SB08 from 0 to 5 feet bgs, 5 to 10 feet bgs, and 10 to 15 feet bgs to define excavation area WC02.
- Three sample sets were collected from borings SB09 and SB13 from 0 to 5 feet bgs, 5 to 10 feet bgs, and 10 to 15 feet bgs to define excavation area WC03.
- Three sample sets were collected from borings SB03 and SB04 from 0 to 6 feet bgs, 6 to 10 feet bgs, and 10 to 15 feet bgs to define excavation area WC04.
- Three sample sets were collected from borings SB05 and SB06 from 0 to 5 feet bgs, 5 to 10 feet bgs, and 10 to 15 feet bgs to define excavation area WC05.
- Three sample sets were collected from borings SB07, SB11, and SB12 from 0 to 5 feet bgs, 5 to 10 feet bgs, and 10 to 15 feet bgs to define excavation area WC06.

One field blank sample, five trip blank samples, and one grab and one composite field duplicate samples were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Ninety grab samples were collected from each discreet component of the multi-point composite samples, and placed on hold for total and TCLP metals, pending initial composite sample results.

Grab soil samples were analyzed for the following parameters:

- NYSDEC Part 375 list and Target Compound List (TCL) VOCs
- New Jersey Department of Environmental Protection (NJDEP) Extractable Petroleum Hydrocarbons (EPH)

One grab soil sample from boring SB06A was analyzed for the following parameters:

- Total and TCLP lead

Composite soil samples were analyzed for the following:

- Part 375 list/TCL SVOCs, pesticides, and herbicides
- Polychlorinated biphenyls (PCBs)
- Part 375 List/Target Analyte List (TAL) metals (including trivalent and hexavalent chromium)
- TCLP metals
- Total cyanide
- RCRA Characteristics, including ignitability, corrosivity, and reactivity (cyanide and sulfide)

One composite soil sample, WC03_COMP_5-10, was also analyzed for the following:

- TCLP VOCs, TCLP SVOCs, TCLP pesticides, and TCLP herbicides
- Paint filter

Soil and QA/QC samples were containerized in laboratory-supplied glassware and submitted under standard chain-of-custody protocol via courier service to Alpha Analytical, Inc. (Alpha) of Westborough, MA (a New York State Department of Health [NYSDOH] Environmental Laboratory Approval Program [ELAP]-certified laboratory [ELAP ID #57869]) for analysis. A waste characterization sample summary, including analytical parameters, is provided as Table 1.

Sampling Methodology – Hazardous Chromium Delineation

Hazardous chromium was identified in composite sample WC04_COMP_0-6 from 0 to 6 feet bgs. This sample consisted of five grab soil samples composited from boring locations SB03 and SB04 at depths of 0 to 6 feet bgs. Subsequent TCLP analysis identified chromium above the USEPA RCRA Characteristics of Hazardous Waste in two samples (SB04_1-2 and SB04_2-3) from the 0 to 6 feet bgs interval, and one sample (SB04_6-7) from 6 to 7 feet bgs.

To further define the extent of chromium impacts at this location, 10 shallow delineation borings were advanced by AARCO on November 20, 2018 using a track-mounted Power Probe 9580drill rig. During the hazardous chromium delineation, one boring was advanced adjacent to the original SB04 boring location (SB04A) to 6 feet bgs. Nine additional soil borings were advanced in three radial directions (SB04.1 to SB04.9) around the boring location SB04A, and grab soil samples were collected from 1 to 3 feet bgs, 3 to 5 feet bgs, and 5 to 6 feet bgs to delineate the extent of chromium impacted soil. Boring locations from the chromium delineation are shown on Figure 4.

Discrete soil samples were collected from the surface to 6 feet bgs and were visually classified for soil type, grain size, texture, and moisture content. Samples were collected in 4-foot long acetate liners from the direct push Power Probe 9580drill rig. The soil was screened for visual, olfactory, and instrumental evidence of environmental impacts and was visually classified for soil type, grain size, texture, and moisture content. Instrument screening for the presence of VOCs

was performed with a PID equipped with a 10.6-eV lamp. A Langan engineer documented the work, logged the soil type, screened the soil samples for environmental impacts, and collected environmental samples for laboratory analyses. Soil boring logs are included as Attachment 1. Soil cuttings were backfilled into the original boring locations. Any additional soil, which could not be backfilled into the original boring location, was containerized into DOT-approved 55-gallon steel drums following sample collection.

Soil Sample Analysis – Hazardous Chromium Delineation

Samples from hazardous chromium delineation boring SB04A and each respective step-out boring (SB04.1 to SB04.9) were collected to delineate shallow chromium impacts from 1 to 6 feet bgs. A total of 35 discrete (grab) samples were collected (including two QA/QC duplicate samples). Soil samples were collected in the field from the delineation soil borings; however, not all samples were analyzed initially. The samples collected closest to the known hazardous material (SB04) were analyzed first. When sample analysis indicated hazardous concentrations, the next closest samples were analyzed. When sample analysis indicated non-hazardous concentrations, no additional samples were analyzed. In total, 14 soil samples were analyzed by Alpha for total chromium per USEPA Method 3005A and TCLP chromium per EPA Method 3015. A summary of analyzed soil samples is provided as Table 2.

FIELD OBSERVATIONS AND RESULTS

Subsurface Observations

The site stratigraphy consists of a historic fill layer beneath concrete-paved surfaces that is predominately brown, medium-grained sand with varying amounts of gravel, silt, brick, coal, metal, clay, slag, glass, ceramics and concrete to depths ranging from 2 to 8.5 feet below bgs. Slag and/or coal were observed within the fill in borings SB04 and SB06, located in the south-central portion of the site.

Soil Analytical Results

Laboratory analytical results were compared to the lower of the NYSDEC Title 6 of the NYCRR Part 375 Restricted Residential Use and PG SCOs. This comparison criterion is used in accordance with the revised 6 NYCRR Part 360 regulations, effective November 4, 2017. TCLP sample results were compared to the 6 NYCRR Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 – USEPA RCRA Characteristics of Hazardous Waste. The waste characterization analytical results are presented in Tables 3 through 7. Laboratory analytical reports are provided as Attachment 2. QA/QC trip blank samples were taken in conjunction with remedial investigation samples and presented in the laboratory analytical reports are included as Appendix H of the RIR.

Analytical results are summarized as follows:

- SVOCs, pesticides, herbicides, PCBs, and total cyanide were not detected at concentrations exceeding the SCOs.

- One VOC, acetone, exceeded the SCOs in grab sample SB10_7-8.
- Metals including hexavalent chromium (maximum concentration of 572 mg/kg) and trivalent chromium (maximum concentration of 130 mg/kg) exceeded the SCOs in composite samples WC04_COMP_0-6 and WC04_COMP_6-10. A lead concentration of 1,740 mg/kg was detected in sample SB06A_1-2, exceeding the relevant SCOs; however, the sample was determined to be non-hazardous.
- EPH concentrations ranged from non-detect to 218 mg/kg in grab sample SB01_12-13.
- Results of the paint filter test were negative.
- Chromium was detected in one sample (WC04_COMP_0-6) at a concentration above the RCRA hazardous waste criteria. This sample consisted of five discrete grab soil samples that were composited from boring locations SB03 and SB04 at depths of 0 to 6 feet bgs.
    - The five discrete samples that make up WC04_COMP_0-6 include: SB03_0.5-1.5, SB03_3-4, SB03_5-6, SB04_1-2 and SB04_2-3. These samples were analyzed for TCLP chromium to identify the source. Analytical results indicated that hazardous chromium was detected in sample locations SB04_1-2 and SB04_2-3 from 1 to 3 feet bgs.
    - Because a vertical endpoint was not identified in SB04 and the discrete grab samples from composite sample WC04_COMP_6-10 were held by Alpha, TCLP analysis was performed on grab sample SB04_6-7 and a hazardous level of chromium was detected from 6 to 7 feet bgs. The vertical extent of hazardous chromium at this location is defined by discrete grab sample SB04_8-9, from which the TCLP chromium analysis result was "non-detect".
    - To further define the extent of chromium impacts at SB04, a supplemental delineation investigation was performed by Langan on November 20, 2018. During the hazardous chromium delineation, 31 additional grab soil samples were collected (14 in total were analyzed) from 1 to 3 feet bgs, 3 to 5 bgs, and 5 to 6 bgs to delineate the extent of hazardous chromium. Of the 14 samples analyzed, 9 exceeded the USEPA RCRA Characteristic Hazardous Waste criteria. The vertical extent of the hazardous chromium centered on RI boring SB04 extends from the surface to 8 feet bgs (vertically delineated by sample SB04_8-9), and is horizontally delineated by step-off samples SB04.7_1-3, SB04.5_1-3, and SB04.2_1-3. This area covers a roughly 18-foot by 15-foot region in the northeast part of the 3-story vacant warehouse building, extending vertically to 8 feet bgs.
- TCLP VOCs, SVOCs, pesticides, and herbicides were not detected at concentrations exceeding the RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic.

CONCLUSIONS

The Remedial Action Work Plan prepared for the BCP site assumes that a Track 1 remedy will be achieved; therefore, non-hazardous historic fill that exceeds the lower of UU and PG SCOs cannot be reused on site and should be managed as a regulated non-hazardous solid waste. This excavated material should be transported for off-site disposal at a permitted facility in accordance with applicable federal, state, and local regulations, including the revised 6 NYCRR Part 360.

Hazardous chromium identified on site should be managed as a D007 hazardous waste in accordance with applicable federal, state and local regulations

Native soil that meets the lower of the UU and PG SCOs can be reused on-site or be managed as a regulated non-hazardous solid waste and transported for off-site disposal at a permitted facility in accordance with applicable federal, state, and local regulations, including the revised 6 NYCRR Part 360.

LIMITATIONS

This report was prepared expressly for 37-11 30th Street Holdings LLC c/o Slate Property Group and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific property addressed in this report, or by any third party without specific written authorization from Langan.

The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the selected waste disposal contractor may be required to perform additional soil sampling and analysis. The sampling frequency and analytical parameter list are conservative and based on typical receiving facility requirements.

The results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be promptly brought to the attention of the owner and to Langan. Based on the facility selected or on field observations during construction, the contractor may be required to collect additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grid, including marking out, maintaining or ensuring the accuracy of the grid. Handling, characterizing, marking out areas, excavating, transporting and disposing of material is solely the responsibility of the contractor.

CLOSING

Should you have any questions regarding the findings presented in this report, please feel free to call us at 212-479-5400.

Sincerely,

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

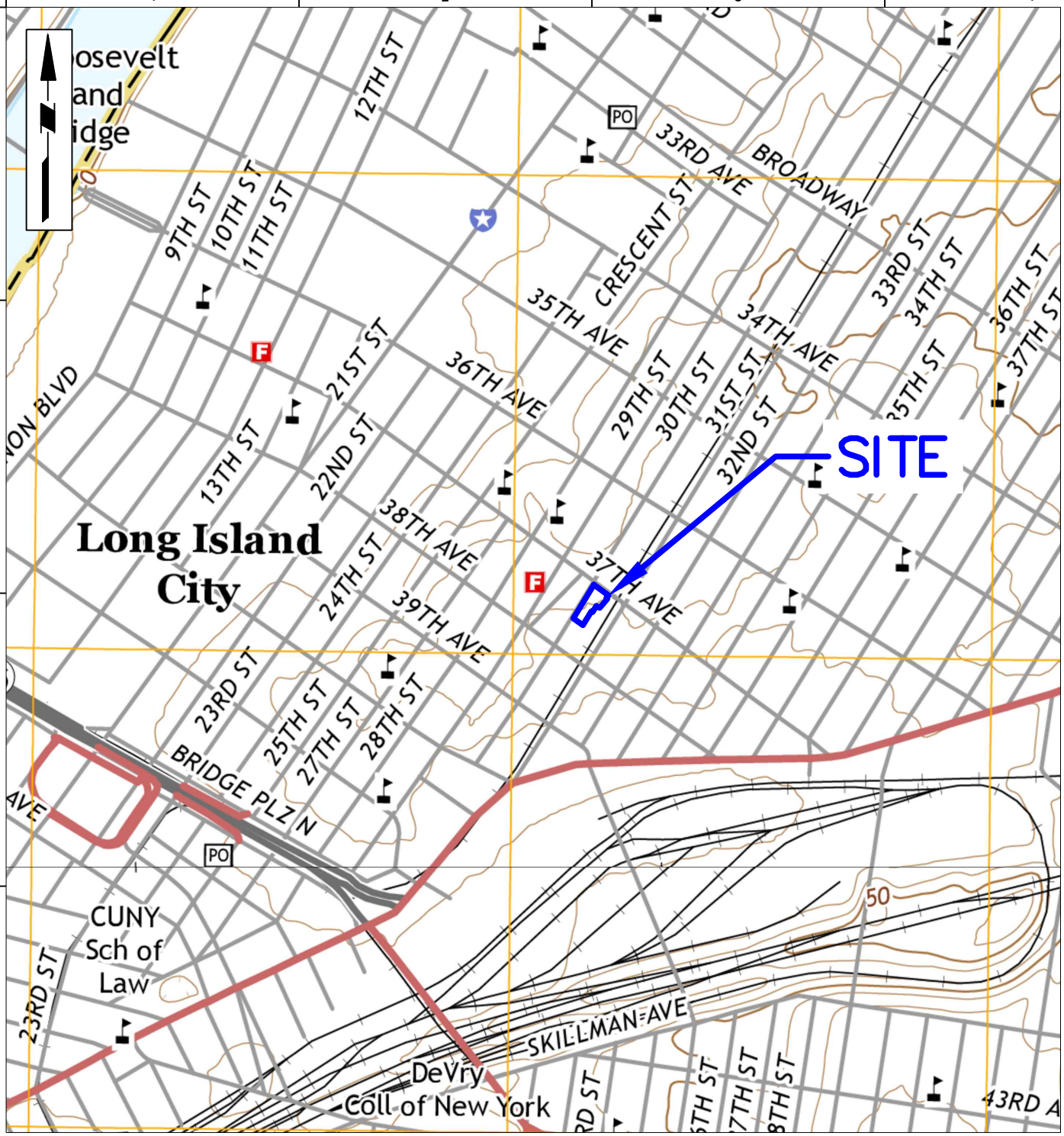
Michael D. Burke, PG, CHMM
Principal/Vice President

cc: D. Schwartz (Slate Property Group)
B. Gochenaur, E. Snead (Langan)

Enclosure(s):

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Boring Location Map
Figure 4	Chromium Delineation Analytical Results Map
Table 1	Sample Summary
Table 2	Chromium Delineation Sample Summary
Table 3	Grab Soil Sample Analytical Results – EPH and VOCs
Table 4	Composite Soil Sample Analytical Results– SVOCs, Pesticides, Herbicides, PCBs, and Inorganics
Table 5	Composite Soil Sample Analytical Results Summary –TCLP, RCRA Characteristics, and Paint Filter
Table 6	Grab Soil Sample Analytical Results – Total and TCLP Chromium
Table 7	Grab Soil Sample Analytical Results – Total and TCLP Lead
Attachment 1	Waste Characterization Soil Boring Logs
Attachment 2	Laboratory Analytical Reports

FIGURES



NOTE:

BASE MAPS ADAPTED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE CENTRAL PARK AND BROOKLYN TOPOGRAPHIC QUADRANGLES, DATED 2016.

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Project	37-11 30TH STREET BLOCK No. 372, P/O LOT No. 8 AND LOT NO. 21 QUEENS NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170512301
Date	10/03/2018
Drawn By	NEK
Checked By	ELS
Figure No.	1
Sheet	1 of 4

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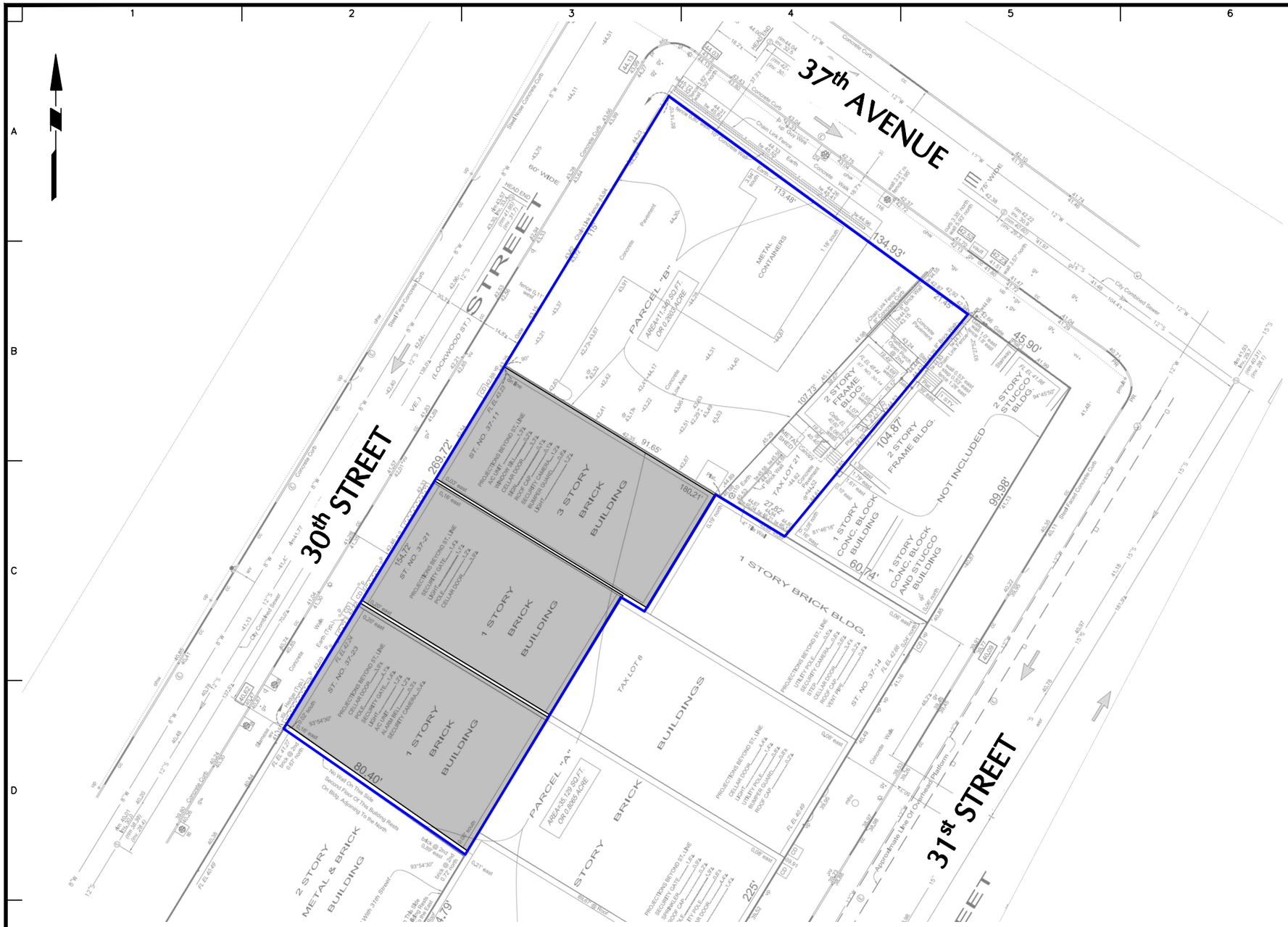

LEGEND:

APPROXIMATE SITE BOUNDARY

APPROXIMATE BUILDING FOOTPRINT

NOTES:

1. BASE MAP TAKEN FROM ARCHITECTURAL SURVEY NO. 41176-8, PREPARED BY MONTROSE SURVEYING CO., LLP., DATED JULY 26, 2017.
2. ELEVATIONS REFERENCE THE UNITED STATES GEOLOGICAL SURVEY (USGS) NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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Project
37-11 30TH STREET
BLOCK No. 372, P/O LOT No. 8
AND LOT NO. 21
QUEENS NEW YORK

Figure Title
SITE PLAN

Project No. 170512301
Date 10/19/2018
Drawn By NEK
Checked By ELS

Figure No. **2**
Sheet 2 of 4

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NOTES:

1. BASE MAP TAKEN FROM ARCHITECTURAL SURVEY NO. 41176-8, PREPARED BY MONTROSE SURVEYING CO., LLP., DATED JULY 26, 2017.
2. ELEVATIONS REFERENCE THE UNITED STATES GEOLOGICAL SURVEY (USGS) NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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Project	37-11 30TH STREET
	QUEENS NEW YORK CITY NEW YORK
Drawing Title	BORING LOCATION MAP
Project No.	170512301
Date	10/24/2018
Drawn By	NK
Checked By	ELS
Drawing No.	3
	Sheet 3 of 4

LANGAN PROJECT NO. 170512301

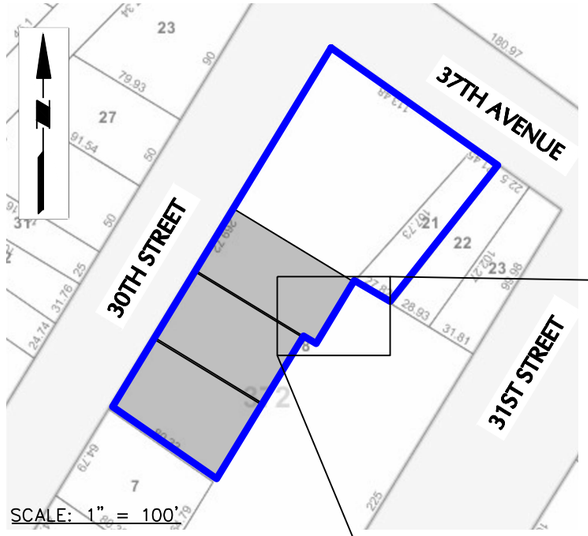
Filename: \\langan.com\data\NYC\data3\170512301\Project Data\CAD\01\SheetFiles\Waste Class\Figure 3 - Soil Sample Location Plan.dwg Date: 4/16/2019 Time: 08:36 User: nkung Style Table: Langan.stb Layout: Figure 2

NOTES:

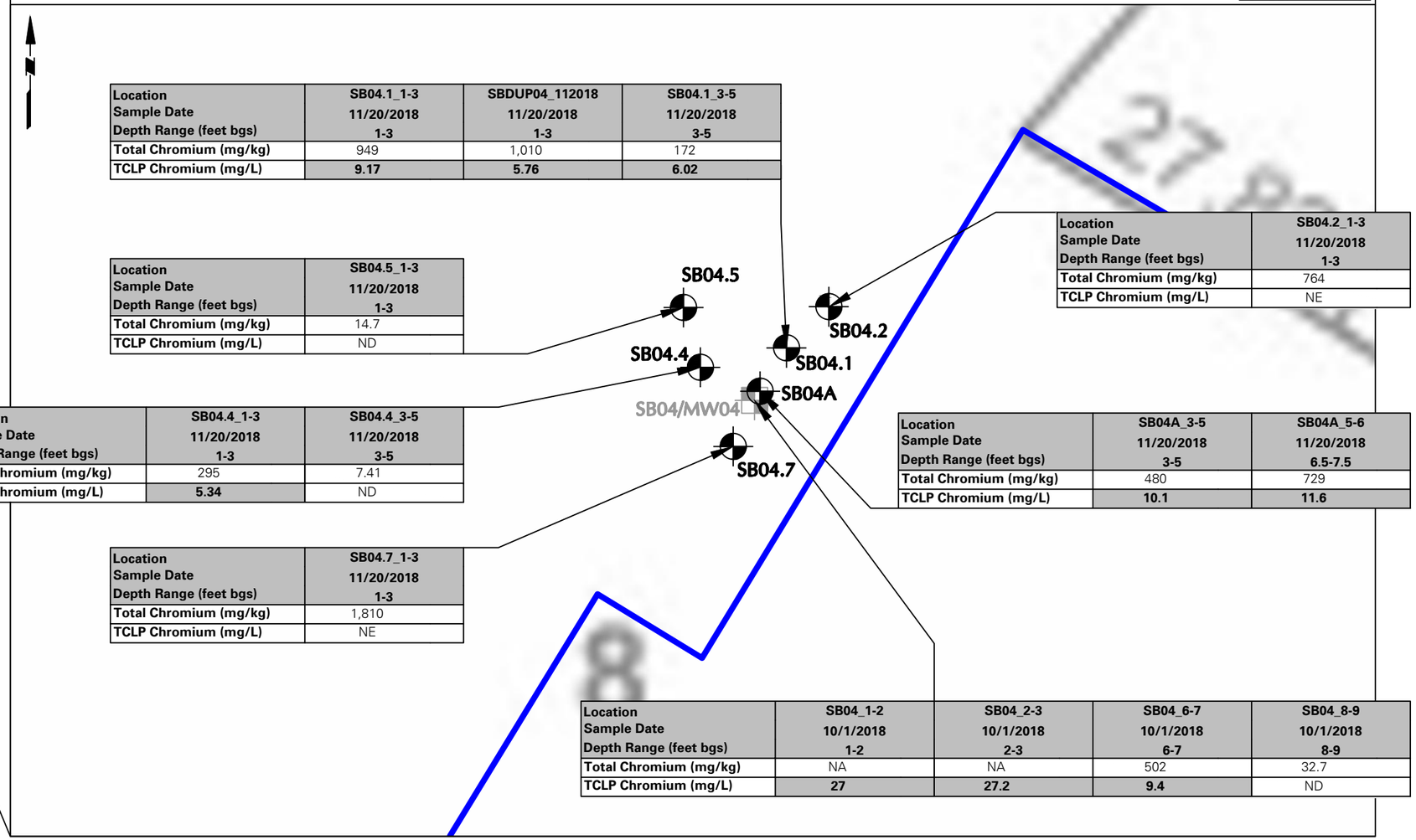
1. BASEMAP ACCESSED FROM GIS.NYC.GOV/TAXMAP ON JANUARY 17, 2018.
2. SAMPLE LOCATIONS BASED ON FIELD MEASUREMENTS.
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE 6 NEW YORK CODES, RULES AND REGULATIONS (NYCRR) PART 371.3 AND 40 CFR 261 SUBPART C AND TABLE 1 OF 40 CFR 261.24 - ENVIRONMENTAL PROTECTION AGENCY (EPA) RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) CHARACTERISTIC OF HAZARDOUS WASTE.
4. ANALYTES DETECTED WITH CONCENTRATIONS ABOVE RCRA MAXIMUM CONCENTRATION OF CONTAMINANTS FOR THE TOXICITY CHARACTERISTIC ARE SHADED AND BOLDED.
5. mg/kg = MILLIGRAM PER KILOGRAM
6. mg/L = MILLIGRAM PER LITER
7. bgs = BELOW GRADE SURFACE
8. TCLP = TOXICITY CHARACTERISTIC LEACHING PROCEDURE
9. NE = ANALYTE CONCENTRATION DID NOT THE COMPARISON CRITERIA
10. ND = NOT DETECTED
11. NA = NOT ANALYZED

LEGEND:

- BROWNFIELD CLEANUP PROGRAM SITE BOUNDARY
- SB04/MW04 — LOCATION OF FORMER REMEDIAL INVESTIGATION / WASTE CHARACTERIZATION SOIL BORING WITH OVERBURDEN MONITORING WELL
- APPROXIMATE BUILDING FOOTPRINT
- SB04A — LOCATION OF CHROMIUM DELINEATION SOIL BORING



INSET MAP: SCALE: 1" = 10'



Location Sample Date Depth Range (feet bgs)	SB04.1_1-3 11/20/2018 1-3	SBDUP04_112018 11/20/2018 1-3	SB04.1_3-5 11/20/2018 3-5
Total Chromium (mg/kg)	949	1,010	172
TCLP Chromium (mg/L)	**9.17**	**5.76**	**6.02**

Location Sample Date Depth Range (feet bgs)	SB04.2_1-3 11/20/2018 1-3
Total Chromium (mg/kg)	764
TCLP Chromium (mg/L)	NE

Location Sample Date Depth Range (feet bgs)	SB04.5_1-3 11/20/2018 1-3
Total Chromium (mg/kg)	14.7
TCLP Chromium (mg/L)	ND

Location Sample Date Depth Range (feet bgs)	SB04.4_1-3 11/20/2018 1-3	SB04.4_3-5 11/20/2018 3-5
Total Chromium (mg/kg)	295	7.41
TCLP Chromium (mg/L)	**5.34**	ND

Location Sample Date Depth Range (feet bgs)	SB04A_3-5 11/20/2018 3-5	SB04A_5-6 11/20/2018 6.5-7.5
Total Chromium (mg/kg)	480	729
TCLP Chromium (mg/L)	**10.1**	**11.6**

Location Sample Date Depth Range (feet bgs)	SB04.7_1-3 11/20/2018 1-3
Total Chromium (mg/kg)	1,810
TCLP Chromium (mg/L)	NE

Location Sample Date Depth Range (feet bgs)	SB04_1-2 10/1/2018 1-2	SB04_2-3 10/1/2018 2-3	SB04_6-7 10/1/2018 6-7	SB04_8-9 10/1/2018 8-9
Total Chromium (mg/kg)	NA	NA	502	32.7
TCLP Chromium (mg/L)	**27**	**27.2**	**9.4**	ND

Analyte	RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic
TCLP Chromium (mg/L)	5

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Project: 37-11 30TH STREET
BLOCK No. 372, P/O LOT No. 8 AND LOT No. 21
QUEENS NEW YORK

Figure Title: CHROMIUM DELINEATION ANALYTICAL RESULTS MAP

Project No. 170512301
Date 12/06/2018
Drawn By NEK
Checked By ELS

Figure No. 4
Sheet 4 of 4

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Filename: \\langan.com\data\NYC\data3\170512301\Project Data\CAD\01\SheetFiles\RIR\Figure 10 - Chromium Delineation Soil Boring Location and Results Plan.dwg Date: 4/16/2019 Time: 09:04 User: nkung Style Table: Langan.stb Layout: WC - Figure 4

TABLES

Table 1
Waste Characterization Report
Sample Summary

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample ID	Associated Grab Samples	Date Collected	Sample Time	Sampling Depth (feet below site grade)	Sample Type	Analyses
SB02_1-2	~	10/4/2018	13:00	1-2	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC01_COMP_0-5	SB02_0-1 SB02_1-2 SB02_3-4 SB10_0-1 SB10_2-3	10/4/2018	15:50	0 - 5	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB10_7-8	~	10/4/2018	11:07	7-8	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC01_COMP_5-10	SB02_7-8 SB02_8-9 SB02_9-10 SB10_8.5-9.5 SB10_7-8	10/4/2018	15:45	5 - 10	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB02_12-13	~	10/4/2018	13:11	12-13	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC01_COMP_10-15	SB02_12-13 SB02_13-14 SB02_14-15 SB10_12-13 SB10_14-15	10/4/2018	15:40	10 - 15	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB01_0.5-1.5	~	10/4/2018	7:45	0.5-1.5	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC02_COMP_0-5	SB01_0.5-1.5 SB01_1.5-2 SB01_2-3 SB08_0-1 SB08_1-2	10/5/2018	13:00	0 - 5	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB08_7-8	~	10/5/2018	7:52	7-8	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC02_COMP_5-10	SB01_7.5-8.5 SB01_8.5-9.5 SB01_9.5-10 SB08_5-6 SB08_7-8	10/5/2018	14:00	5 - 10	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB01_12-13	~	10/4/2018	8:05	12-13	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC02_COMP_10-15	SB01_12-13 SB01_13-14 SB01_14-15 SB08_10-11 SB08_11-12	10/5/2018	14:15	10 - 15	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB13_1-2	~	10/2/2018	12:00	1-2	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC03_COMP_0-5	SB09_0-0.5 SB09_2-3 SB09_4.5-5 SB13_1-2 SB13_2-3	10/5/2018	16:10	0 - 5	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB09_5-6	~	10/5/2018	12:10	5-6	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC03_COMP_5-10	SB09_8.5-9.5 SB09_5-6 SB13_5-6 SB13_8-9 SB13_9-10	10/5/2018	16:20	5 - 10	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB09_11-12	~	10/5/2018	9:32	11-12	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC03_COMP_10-15	SB09_10-11 SB09_11-12 SB09_13-14 SB13_12-13 SB13_14-15	10/5/2018	16:30	10 - 15	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB04_1-2	~	10/1/2018	12:10	1-2	Grab	NYSDEC & NJDEP-list VOCs, EPH
SB03_0.5-1.5	~	10/2/2018	9:20	0.5-1.5	Grab	TCLP Chromium
SB03_3-4	~	10/2/2018	9:25	3-4	Grab	TCLP Chromium
SB03_5-6	~	10/2/2018	9:42	5-6	Grab	TCLP Chromium
SB04_1-2	~	10/1/2018	12:10	1-2	Grab	TCLP Chromium
SB04_2-3	~	10/1/2018	12:10	2-3	Grab	TCLP Chromium
WC04_COMP_0-6	SB03_0.5-1.5 SB03_3-4 SB03_5-6 SB04_1-2 SB04_2-3	10/2/2018	11:37	0 - 5	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB03_8-9	~	10/2/2018	9:44	8-9	Grab	NYSDEC & NJDEP-list VOCs, EPH
SB04_6-7	~	10/1/2018	12:20	6-7	Grab	Total and TCLP Chromium
SB04_8-9	~	10/1/2018	12:20	8-9	Grab	Total and TCLP Chromium
WC04_COMP_6-10	SB03_7-8 SB03_8-9 SB03_9-10 SB04_6-7 SB04_8-9	10/2/2018	11:55	5 - 10	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB03_13-14	~	10/2/2018	9:52	13-14	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC04_COMP_10-15	SB03_10-11 SB03_11-12 SB03_13-14 SB04_12-13 SB04_14-15	10/2/2018	12:10	10 - 15	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB05_2-3	~	9/28/2018	10:00	2-3	Grab	NYSDEC & NJDEP-list VOCs, EPH
SB06A_1-2	~	12/17/2018	11:00	1-2	Grab	Total and TCLP Lead
WC05_COMP_0-5	SB05_2-3 SB05_0-1 SB05_1-2 SB06_1-2 SB06_2-3	9/28/2018	12:30	0 - 5	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB05_8-9	~	9/26/2018	14:30	8-9	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC05_COMP_5-10	SB05_8-9 SB05_9-10 SB05_5-6 SB06_8-9 SB06_9-10	9/28/2018	13:00	5 - 10	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB05_12-13	~	9/28/2018	10:15	12-13	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC05_COMP_10-15	SB05_11-12 SB05_12-13 SB05_13-14 SB06_12-13 SB06_14-15	9/28/2018	13:30	10 - 15	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)

Notes:

1. NYSDEC = New York State Department of Environmental Conservation
2. NJDEP = New Jersey Department of Environmental Conservation
3. VOCs = Volatile Organic Compounds
4. EPH = Extractable Petroleum Hydrocarbons
5. GRO= Gasoline Range Organics
6. DRO= Diesel Range Organics
7. SVOC = Semivolatile Organic Compounds
8. PCB = Polychlorinated Biphenyls
9. TCLP = Toxicity Characteristic Leaching Procedure
10. RCRA Characteristics = Resource Conservation and Recovery Act Characteristics
11. QA/QC = Quality Assurance/Quality Control

Table 1
Waste Characterization Report
Sample Summary

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample ID	Associated Grab Samples	Date Collected	Sample Time	Sampling Depth (feet below site grade)	Sample Type	Analyses
SB12_2-4	~	9/26/2018	10:05	2-4	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC06_COMP_0-5	SB07_0-1 SB07_3-4 SB11_0-1 SB11_6.5-7.5 SB12_2-4	9/26/2018	11:00	0 - 5	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB07_8-10	~	9/26/2018	13:10	8-10	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC06_COMP_5-10	SB07_5-6 SB07_8-10 SB11_8-9 SB11_9-10 SB12_7-8	9/26/2018	11:15	5 - 10	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SB11_12-13	~	9/26/2018	9:27	12-13	Grab	NYSDEC & NJDEP-list VOCs, EPH
WC06_COMP_10-15	SB07_10-11 SB07_14-15 SB11_11-12 SB11_12-13 SB12_13-14	9/26/2018	11:30	10 - 15	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
QA/QC						
COMPDUP01_100418	SB02_12-13 SB02_13-14 SB02_14-15 SB10_12-13 SB10_14-15	10/4/2018	15:40	10 - 15	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity)
SBDUP01_100418	SB02_12-13	10/4/2018	13:11	12-13	Grab	NYSDEC & NJDEP-list VOCs, EPH
FIELDBLANK_100518	NA	10/5/2018	15:00	NA	Grab	VOCs, SVOCs, PCBs, Metals, Cyanide, Hexavalent Chromium
TRIPBLANK_092718	NA	9/27/2018	NA	NA	NA	VOCs, EPH
TRIPBLANK_092818	NA	9/28/2018	NA	NA	NA	VOCs, EPH
TRIPBLANK_100118	NA	10/1/2018	NA	NA	NA	VOCs, EPH
TRIPBLANK04_100218	NA	10/1/2018	NA	NA	NA	VOCs, EPH
TRIPBLANK05_100518	NA	10/5/2018	NA	NA	NA	VOCs, EPH

Notes:
1. NYSDEC = New York State Department of Environmental Conservation
2. NJDEP = New Jersey Department of Environmental Conservation
3. VOCs = Volatile Organic Compounds
4. EPH = Extractable Petroleum Hydrocarbons
5. GRO= Gasoline Range Organics
6. DRO= Diesel Range Organics
7. SVOC = Semivolatile Organic Compounds
8. PCB = Polychlorinated Biphenyls
9. TCLP = Toxicity Characteristic Leaching Procedure
10. RCRA Characteristics = Resource Conservation and Recovery Act Characteristics
11. QA/QC = Quality Assurance/Quality Control
12. NA = Not Applicable
13. Sample COMPDUP01_100418 is a duplicate of sample WC01_COMP_10-15 .

Table 2
Waste Characterization Report
Chromium Delineation Sample Summary

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample ID	Boring Location	Date	Time	Sample Depth (feet bgs)	Sample Type	Analysis
SB04A_3-5	SB04A	11/20/2018	9:28:00 AM	3 to 5	Grab	Total and TCLP Chromium
SB04A_5-6			9:30:00 AM	5 to 6		Total and TCLP Chromium
SB04.1_1-3	SB04.1		12:20:00 PM	1 to 3		Total and TCLP Chromium
SB04.1_3-5			12:24:00 PM	3 to 5		Total and TCLP Chromium
SB04.2_1-3	SB04.2		1:31:00 PM	1 to 3		Total and TCLP Chromium
SB04.4_1-3	SB04.4		1:15:00 PM	1 to 3		Total and TCLP Chromium
SB04.4_3-5			1:21:00 PM	3 to 5		Total and TCLP Chromium
SB04.5_1-3	SB04.5		2:11:00 PM	1 to 3		Total and TCLP Chromium
SB04.7_1-3	SB04.7		10:31:00 AM	1 to 3		Total and TCLP Chromium
QA/QC						
SBDUP04_112018	SB04.1	11/20/2018	12:20:00 PM	1 to 3	Grab	Total and TCLP Chromium
SBDUP05_112018	SB04.3		1:00:00 PM	1 to 3		Total and TCLP Chromium
SBFB04_112018	NA		1:10:00 PM	NA	Field Blank	Total and TCLP Chromium
MS_SS04_112018	SB04.7		10:31:00 AM	1 to 3	MS	Total and TCLP Chromium
MSD_SS04_112018	SB04.7		10:31:00 AM	1 to 3	MSD	Total and TCLP Chromium

Notes:
1. Soil samples to be analyzed for Total and TCLP Chromium.
2. TCLP = Toxicity Characteristic Leaching Procedure
3. NA = Not Applicable
4. MS = Matrix Spike
5. MSD = Matrix Spike Duplicate

Table 3
Waste Characterization Report
Grab Soil Sample Analytical Results - EPH and VOCs

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample Location	Lower of Part 375	SB01	SB01	SB02	SB02	SB02	SB03	SB03	SB04	SB05	SB05	SB06	SB07	SB08	SB09	SB09	SB10	SB11	SB12	SB13
Sample ID	Restricted Use Residential and	SB01_0.5-1.5	SB01_12-13	SB02_1-2	SB02_12-13	SBDUP01_100418	SB03_8-9	SB03_13-14	SB04_1-2	SB05_2-3	SB05_12-13	SB06_8-9	SB07_8-10	SB08_7-8	SB09_5-6	SB09_11-12	SB10_7-8	SB11_12-13	SB12_2-4	SB13_1-2
Sample Date	Protection of Groundwater	10/4/2018	10/4/2018	10/4/2018	10/4/2018	10/4/2018	10/2/2018	10/2/2018	10/1/2018	9/28/2018	9/28/2018	9/26/2018	9/26/2018	10/5/2018	10/5/2018	10/5/2018	10/4/2018	9/26/2018	9/26/2018	10/2/2018
Sample Depth (feet bgs)	SCOs	0.5-1.5	12-13	1-2	12-13	12-13	8-9	13-14	1-2	2-3	12-13	8-9	8-10	7-8	5-6	11-12	7-8	12-13	2-4	1-2
Volatile Organic Compounds (mg/kg)																				
1,1,1,2-Tetrachloroethane	~	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
1,1,1-Trichloroethane	0.68	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
1,1,2,2-Tetrachloroethane	~	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
1,1,2-Trichloroethane	0.001	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
1,1-Dichloroethane	0.27	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
1,1-Dichloroethene	0.33	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
1,1-Dichloropropene	~	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
1,2,3-Trichlorobenzene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,2,3-Trichloropropane	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,2,4,5-Tetramethylbenzene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,2,4-Trichlorobenzene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,2,4-Trimethylbenzene	3.6	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,2-Dibromo-3-chloropropane	~	0.003 U	0.0033 U	0.003 U	0.0034 U	0.0032 U	0.0028 U	0.0028 U	0.0026 U	0.0031 U	0.0027 U	0.0025 U	0.0031 U	0.003 U	0.0029 U	0.0032 U	0.0032 U	0.003 U	0.0029 U	0.0028 U
1,2-Dibromoethane	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
1,2-Dichlorobenzene	1.1	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,2-Dichloroethane	0.02	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
1,2-Dichloropropane	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
1,3,5-Trimethylbenzene	8.4	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,3-Dichlorobenzene	2.4	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,3-Dichloropropane	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,3-Dichloropropene, Total	~	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
1,4-Dichlorobenzene	1.8	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
1,4-Dioxane	0.1	0.1 U	*0.11* U	0.099 U	*0.11* U	0.1 U	0.092 U	0.094 U	0.087 U	0.1 U	0.091 U	0.082 U	0.1 U	0.1 U	0.098 U	0.1 U	*0.11* U	0.1 U	0.096 U	0.095 U
2,2-Dichloropropane	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
2-Butanone	0.12	0.01 U	0.011 U	0.0099 U	0.011 U	0.01 U	0.0092 U	0.0094 U	0.0087 U	0.01 U	0.0091 U	0.0082 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.011 U	0.01 U	0.0096 U	0.0095 U
2-Hexanone	~	0.01 U	0.011 U	0.0099 U	0.011 U	0.01 U	0.0092 U	0.0094 U	0.0087 U	0.01 U	0.0091 U	0.0082 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.011 U	0.01 U	0.0096 U	0.0095 U
4-Methyl-2-pentanone	~	0.01 U	0.011 U	0.0099 U	0.011 U	0.01 U	0.0092 U	0.0094 U	0.0087 U	0.01 U	0.0091 U	0.0082 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.011 U	0.01 U	0.0096 U	0.0095 U
Acetone	0.05	0.024	0.01 J	0.033	0.041	0.011	0.0092 U	0.0094 U	0.018	0.03	0.047	0.0082 U	0.024 U	0.03	0.016	0.024	**0.066**	0.022	0.0068 J	0.011
Acrolein	~	0.025 U	0.028 U	0.025 U	0.028 U	0.026 U	0.023 U	0.023 U	0.022 U	0.026 U	0.023 U	0.021 U	0.026 U	0.025 U	0.024 U	0.026 U	0.027 U	0.025 U	0.024 U	0.024 U
Acrylonitrile	~	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
Benzene	0.06	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
Bromobenzene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Bromochloromethane	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Bromodichloromethane	~	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
Bromoform	~	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
Bromomethane	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Carbon disulfide	~	0.01 U	0.011 U	0.0099 U	0.011 U	0.01 U	0.0092 U	0.0094 U	0.0087 U	0.01 U	0.0091 U	0.0082 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.011 U	0.01 U	0.0096 U	0.0095 U
Carbon tetrachloride	0.76	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Chlorobenzene	1.1	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
Chloroethane	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Chloroform	0.37	0.0015 U	0.0017 U	0.0015 U	0.0017 U	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U	0.0016 U	0.0015 U	0.0015 U	0.0016 U	0.0016 U	0.0015 U	0.0014 U	0.0014 U
Chloromethane	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U	
cis-1,2-Dichloroethene	0.25	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
cis-1,3-Dichloropropene	~	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
Cyclohexane	~	0.01 U	0.011 U	0.0099 U	0.011 U	0.01 U	0.0092 U	0.0094 U	0.0087 U	0.01 U	0.0091 U	0.0082 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.011 U	0.01 U	0.0096 U	0.0095 U
Dibromochloromethane	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Dibromomethane	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Dichlorodifluoromethane	~	0.01 U	0.011 U	0.0099 U	0.011 U	0.01 U	0.0092 U	0.0094 U	0.0087 U	0.01 U	0.0091 U	0.0082 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.011 U	0.01 U	0.0096 U	0.0095 U
Ethyl ether	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Ethylbenzene	1	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Freon-113	~	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
Hexachlorobutadiene	~	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
Isopropylbenzene	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Methyl Acetate	~	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
Methyl cyclohexane	~	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
Methyl tert butyl ether	0.93	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Methylene chloride	0.05	0.005 U	0.0056 U	0.005 U	0.0056 U	0.0053 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0046 U	0.0041 U	0.0052 U	0.0051 U	0.0049 U	0.0053 U	0.0054 U	0.0051 U	0.0048 U	0.0048 U
n-Butylbenzene	12	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
n-Propylbenzene	3.9	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Naphthalene	12	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0015 J	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
o-Chlorotoluene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
o-Xylene	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
p-Chlorotoluene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
p-Diethylbenzene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
p-Ethyltoluene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
p-Isopropyltoluene	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
p/m-Xylene	~	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
sec-Butylbenzene	11	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Styrene	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Tert-Butyl Alcohol	~	0.02 U	0.022 U	0.02 U	0.022 U	0.021 U	0.018 U	0.019 U	0.017 U	0.021 U	0.018 U	0.016 U	0.021 U	0.02 U	0.02 U	0.021 U	0.021 U	0.02 U	0.019 U	0.019 U
tert-Butylbenzene	5.9	0.002 U	0.0022 U	0.002 U	0.0022 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0021 U	0.0018 U	0.0016 U	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.0019 U	0.0019 U
Tetrachloroethene	1.3	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00027 J	0.0084	0.00087	0.0014	0.004	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
Toluene	0.7	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.00092 J	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
trans-1,2-Dichloroethene	0.19	0.0015 U	0.0017 U	0.0015 U	0.0017 U	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U	0.0016 U	0.0015 U	0.0015 U	0.0016 U	0.0016 U	0.0015 U	0.0014 U	0.0014 U
trans-1,3-Dichloropropene	~	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
trans-1,4-Dichloro-2-butene	~	0.005 U	0.0056 U	0.005 U	0.0056 U	0.0053 U	0.0046 U	0.0047 U	0.0044 U	0.0052 U	0.0046 U	0.0041 U	0.0052 U	0.0051 U	0.0049 U	0.0053 U	0.0054 U	0.0051 U	0.0048 U	0.0048 U
Trichloroethene	0.47	0.0005 U	0.00056 U	0.0005 U	0.00056 U	0.00053 U	0.00046 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00041 U	0.00052 U	0.00051 U	0.00049 U	0.00053 U	0.00054 U	0.00051 U	0.00048 U	0.00048 U
Trichlorofluoromethane	~	0.004 U	0.0045 U	0.004 U	0.0045 U	0.0042 U	0.0037 U	0.0037 U	0.0035 U	0.0042 U	0.0036 U	0.0033 U	0.0042 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0041 U	0.0038 U	0.0038 U
Vinyl acetate	~	0.01 U	0.011 U	0.0099 U	0.011 U	0.01 U	0.0092 U	0.0094 U	0.0087 U	0.01 U	0.0091 U	0.0082 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.011 U	0.01 U	0.0096 U	0.0095 U
Vinyl chloride	0.02	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
Xylenes, Total	100	0.001 U	0.0011 U	0.00099 U	0.0011 U	0.001 U	0.00092 U	0.00094 U	0.00087 U	0.001 U	0.00091 U	0.00082 U	0.001 U	0.001 U	0.00098 U	0.001 U	0.0011 U	0.001 U	0.00096 U	0.00095 U
NJ Extractable Petroleum Hydrocarbons (Total)																				
Total EPH	~	27.2 U	218	23.6 U	25.2 U	24.9 U	23.7 U	27.9 U	25.3 U	26.4 U	23.4 U	22.9 U	29.9 U	24.4 U	24.3 U	26.5 U	24.4 U	28.7 U	24 U	26.5 U

Notes:
1. Grab soil sample analytical results are compared to the lower of New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Residential Soil Cleanup Objectives (SCO) and Protection of Groundwater SCOs.
2. Analytes detected with concentrations above the lower of NYSDEC Part 375 Restricted Use Residential SCOs and Protection of Groundwater SCOs are shaded and bolded.
3. Analytical results with reporting limits (RL) above the regulatory comparison criteria are italicized.
4. Sample SBDUP01_100418 is a duplicate of sample SB02_12-13.
5. ~ = Criterion does not exist
6. mg/kg = milligrams per kilogram
7. bgs = below grade surface
8. EPH = Extractable Petroleum Hydrocarbons

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Waste Characterization Report
Composite Soil Sample Analytical Results – SVOCs, Pest/Herb, PCBs, and Inorganics

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample Location		WC01		WC01		WC01		WC01		WC02		WC02		WC02		WC03		WC03		WC03		WC03		WC04		WC04		WC04		WC05		WC05		WC05		WC06		WC06		WC06	
Sample ID	Lower of Part 375	WC01_COMP_0-5		WC01_COMP_5-10		WC01_COMP_10-15		COMPDUP01_100418		WC02_COMP_0-5		WC02_COMP_5-10		WC02_COMP_10-15		WC03_COMP_0-5		WC03_COMP_5-10		WC03_COMP_5-10		WC03_COMP_10-15		WC04_COMP_0-6		WC04_COMP_6-10		WC04_COMP_10-15		WC05_COMP_0-5		WC05_COMP_5-10		WC05_COMP_10-15		WC06_COMP_0-5		WC06_COMP_5-10		WC06_COMP_10-15	
Laboratory ID	Restricted Use Residential and	L1840257-01		L1840257-02		L1840257-03		L1840257-09		L1840502-01		L1840502-02		L1840502-03		L1840502-04		L1840502-05		L1840502-24		L1840502-06		L1839662-20		L1839662-21		L1839662-22		L1839312-03		L1839312-04		L1839312-05		L1839007-04		L1839007-05		L1839007-06	
Sample Date	Protection of Groundwater SCOs	10/4/2018		10/4/2018		10/4/2018		10/4/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/2/2018		10/2/2018		10/2/2018		9/28/2018		9/28/2018		9/28/2018		9/26/2018		9/26/2018		9/26/2018	
Sample Depth (feet bgs)		0-5		5-10		10-15		10-15		0-5		5-10		10-15		0-5		5-10		10-15		10-15		0-6		6-10		10-15		0-5		5-10		10-15		0-5		5-10		10-15	
Semivolatile Organic Compounds (mg/kg)																																								
1,2,4,5-Tetrachlorobenzene	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
1,2,4-Trichlorobenzene	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
1,2-Dichlorobenzene	1.1	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
1,3-Dichlorobenzene	2.4	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
1,4-Dichlorobenzene	1.8	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2,3,4,6-Tetrachlorophenol	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2,4,5-Trichlorophenol	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2,4,6-Trichlorophenol	~	0.11	U	0.12	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.12	U	0.13	U	0.1	U	0.1	U	0.1	U	0.1	U
2,4-Dichlorophenol	~	0.16	U	0.18	U	0.16	U	0.15	U	0.17	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U	0.17	U	0.15	U	0.17	U	0.18	U	0.2	U	0.15	U	0.16	U	0.15	U	0.15	U
2,4-Dimethylphenol	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2,4-Dinitrophenol	~	0.85	U	0.97	U	0.83	U	0.82	U	0.89	U	0.82	U	0.82	U	0.88	U	0.81	U	0.82	U	0.84	U	0.89	U	0.82	U	0.92	U	0.94	U	1	U	0.8	U	0.84	U	0.8	U	0.81	U
2,4-Dinitrotoluene	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2,6-Dinitrotoluene	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2-Chloronaphthalene	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2-Methylphenol	0.33	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2-Nitroaniline	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
2-Nitrophenol	~	0.38	U	0.44	U	0.38	U	0.37	U	0.4	U	0.37	U	0.37	U	0.4	U	0.37	U	0.37	U	0.38	U	0.4	U	0.37	U	0.41	U	0.42	U	0.47	U	0.36	U	0.38	U	0.36	U	0.36	U
3,3'-Dichlorobenzidine	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
3-Methylphenol/4-Methylphenol	0.33	0.26	U	0.29	U	0.25	U	0.25	U	0.27	U	0.25	U	0.24	U	0.26	U	0.24	U	0.24	U	0.25	U	0.27	U	0.25	U	0.28	U	0.28	U	0.32	U	0.24	U	0.25	U	0.24	U	0.24	U
3-Nitroaniline	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
4,6-Dinitro-o-cresol	~	0.46	U	0.53	U	0.45	U	0.45	U	0.48	U	0.44	U	0.44	U	0.48	U	0.44	U	0.44	U	0.45	U	0.48	U	0.44	U	0.5	U	0.51	U	0.57	U	0.43	U	0.45	U	0.43	U	0.44	U
4-Bromophenyl phenyl ether	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
4-Chloroaniline	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
4-Chlorophenyl phenyl ether	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
4-Nitroaniline	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
4-Nitrophenol	~	0.25	U	0.28	U	0.24	U	0.24	U	0.26	U	0.24	U	0.24	U	0.26	U	0.24	U	0.24	U	0.24	U	0.26	U	0.24	U	0.27	U	0.28	U	0.31	U	0.23	U	0.24	U	0.23	U	0.24	U
Acenaphthene	98	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.034	J	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.16	U	0.18	U	0.13	U	0.14	U	0.13	U	0.13	U
Acenaphthylene	100	0.14	U	0.16	U	0.14	U	0.14	U	0.059	J	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.16	U	0.18	U	0.13	U	0.14	U	0.13	U	0.13	U
Acetophenone	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Anthracene	100	0.11	U	0.12	U	0.1	U	0.1	U	0.085	J	0.1	U	0.1	U	0.063	J	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.14	U	0.13	U	0.1	U	0.041	J	0.1	U	0.1	U
Atrazine	~	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.16	U	0.18	U	0.13	U	0.14	U	0.13	U	0.13	U
Azobenzene	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Benzaldehyde	~	0.23	U	0.27	U	0.23	U	0.23	U	0.24	U	0.23	U	0.22	U	0.24	U	0.22	U	0.22	U	0.23	U	0.24	U	0.23	U	0.25	U	0.26	U	0.29	U	0.22	U	0.23	U	0.22	U	0.22	U
Benzidine	~	0.58	U	0.67	U	0.57	U	0.57	U	0.61	U	0.56	U	0.56	U	0.6	U	0.56	U	0.56	U	0.58	U	0.61	U	0.56	U	0.63	U	0.65	U	0.72	U	0.55	U	0.58	U	0.55	U	0.56	U
Benzo(a)anthracene	1	0.11	U	0.12	U	0.1	U	0.1	U	0.17		0.1	U	0.1	U	0.18		0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.16		0.063	J	0.1	U	0.17		0.1	U	0.1	U
Benzo(a)pyrene	1	0.14	U	0.16	U	0.14	U	0.14	U	0.15		0.14	U	0.14	U	0.14	J	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.16		0.18	U	0.13	U	0.18		0.13	U	0.13	U
Benzo(b)fluoranthene	1	0.11	U	0.12	U	0.1	U	0.1	U	0.62		0.1	U	0.1	U	0.18		0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.16		0.055	J	0.1	U	0.23		0.1	U	0.1	U
Benzo(ghi)perylene	100	0.14	U	0.16	U	0.14	U	0.14	U	0.32		0.14	U	0.14	U	0.084	J	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.086	J	0.034	J	0.13	U	0.11	J	0.13	U	0.13	U
Benzo(k)fluoranthene	1	0.11	U	0.12	U	0.1	U	0.1	U	0.19		0.1	U	0.1	U	0.066	J	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.093	J	0.13	U	0.1	U	0.081	J	0.1	U	0.1	U
Benzoic Acid	~	0.58	U	0.66	U	0.56	U	0.56	U	0.6	U	0.56	U	0.55	U	0.59	U	0.55	U	0.55	U	0.57	U	0.6	U	0.56	U	0.62	U	0.64	U	0.71	U	0.54	U	0.56	U	0.54	U	0.55	U
Benzyl Alcohol	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Biphenyl	0.4	0.46	U	0.4	U	0.39	U	0.42	U	0.39	U	0.39	U	0.39	U	0.42	U	0.39	U	0.4	U	0.39	U	0.42	U	0.39	U	0.44	U	0.45	U	0.5	U	0.38	U	0.4	U	0.38	U	0.38	U
Bis(2-chloroethoxy)methane	~	0.19	U	0.22	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.21	U	0.21	U	0.24	U	0.18	U	0.19	U	0.18	U
Bis(2-chloroethyl)ether	~	0.16	U	0.18	U	0.16	U	0.15	U	0.17	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U	0.17	U	0.15	U	0.17	U	0.18	U	0.2	U	0.15	U	0.16	U	0.15	U	0.15	U
Bis(2-chloroisopropyl)ether	~	0.21	U	0.24	U	0.21	U	0.2	U	0.22	U	0.2	U	0.2	U	0.22	U	0.2	U	0.2	U	0.21	U	0.22	U	0.2	U	0.23	U	0.24	U	0.26	U	0.2	U	0.21	U	0.2	U	0.2	U
Bis(2-ethylhexyl)phthalate	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.16	J	0.17	U	0.19	U	0.2	U	0.21	J	0.17	U	0.17	U	0.17	U	0.17	U
Butyl benzyl phthalate	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Caprolactam	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Carbazole	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.024	J	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.017	J	0.17	U	0.17	U
Chrysene	1	0.11	U	0.12	U	0.1	U	0.1	U	0.33		0.1	U	0.1	U	0.17		0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.17		0.054	J	0.1	U	0.19		0.1	U	0.1	U
Di-n-butylphthalate	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Di-n-octylphthalate	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Dibenzo(a,h)anthracene	0.33	0.11	U	0.12	U	0.1	U	0.1	U	0.068	J	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.12	U	0.13	U	0.1	U	0.03	J	0.1	U	0.1	U
Dibenzofuran	14	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Diethyl phthalate	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Dimethyl phthalate	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Fluoranthene	100	0.11	U	0.12	U	0.1	U	0.1	U	0.16		0.1	U	0.1	U	0.34		0.1	U	0.1	U	0.024	J	0.11	U	0.1	U	0.12	U	0.39		0.12	J	0.1	U	0.34		0.1	U	0.1	U
Fluorene	100	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.023	J	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.12	J	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Hexachlorobenzene	0.33	0.11	U	0.12	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.12	U	0.13	U	0.1	U	0.1	U	0.1	U	0.1	U
Hexachlorobutadiene	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Hexachlorocyclopentadiene	~	0.51	U	0.58	U	0.5	U	0.49	U	0.53	U	0.49	U	0.49	U	0.52	U	0.48	U	0.49	U	0.5	U	0.53	U	0.49	U	0.55	U	0.56	U	0.63	U	0.48	U	0.5	U	0.48	U	0.48	U
Hexachloroethane	~	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.16	U	0.18	U	0.13	U	0.14	U	0.13	U	0.13	U
Indeno(1,2,3-cd)pyrene	0.5	0.14	U	0.16	U	0.14	U	0.14	U	0.35		0.14	U	0.14	U	0.094	J	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.084	J	0.036	J	0.13	U	0.11	J	0.13	U	0.13	U
Isophorone	~	0.16	U	0.18	U	0.16	U	0.15	U	0.17	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U	0.17	U	0.15	U	0.17	U	0.18	U	0.2	U	0.15	U	0.16	U	0.15	U	0.15	U
n-Nitrosodi-n-propylamine	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
n-Nitrosodimethylamine	~	0.35	U	0.4	U	0.35	U	0.34	U	0.37	U	0.34	U	0.34	U	0.36	U	0.34	U	0.34	U	0.35	U	0.37	U	0.34	U	0.38	U	0.39	U	0.44	U	0.33	U	0.35	U	0.33	U	0.34	U
Naphthalene	12	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.061	J	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
NDPA/DPA	~	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.16	U	0.18	U	0.13	U	0.14	U	0.13	U	0.13	U
Nitrobenzene	~	0.16	U	0.18	U	0.16	U	0.15	U	0.17	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U	0.17	U	0.15	U	0.17	U	0.18	U	0.2	U	0.15	U	0.16	U	0.15	U	0.15	U
p-Chloro-m-cresol	~	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Pentachlorophenol	0.8	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.16	U	0.18	U	0.13	U	0.14	U	0.13	U	0.13	U
Phenanthrene	100	0.11	U	0.12	U	0.1	U	0.1	U	0.088	J	0.1	U	0.1	U	0.26		0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.66		0.12	J	0.1	U	0.21		0.1	U	0.1	U
Phenol	0.33	0.18	U	0.2	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.2	U	0.22	U	0.17	U	0.17	U	0.17	U	0.17	U
Pyrene	100	0.11	U	0.12	U	0.1	U	0.1	U	0.15		0.1	U	0.1	U	0.3		0.1	U	0.1	U	0.019	J	0.11	U	0.1	U	0.12	U	0.46		0.1	J	0.1	U	0.28		0.1	U	0.1	U

Notes:
1. Composite soil sample analytical results are compared to the lower of New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Residential Soil Cleanup Objectives (SCO) and Protection of Groundwater SCOs.
2. Analytes detected with concentrations above the lower of NYSDEC Part 375 Restricted Use Residential SCOs and Protection of Groundwater SCOs are shaded and bolded.
3. Analytical results with reporting limits (RL) above the regulatory comparison criteria are italicized.
4. Sample COMPDUP01_100418 is a duplicate of sample WC01_COMP_10-15.
5. ~ = Criterion does not exist
6. mg/kg = milligrams per kilogram
7. bgs = below grade surface

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Waste Characterization Report
Composite Soil Sample Analytical Results – SVOCs, Pest/Herb, PCBs, and Inorganics

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample Location		WC01		WC01		WC01		WC01		WC02		WC02		WC02		WC02		WC03		WC03		WC03		WC03		WC04		WC04		WC04		WC04		WC05		WC05		WC05		WC06		WC06		WC06	
Sample ID	Lower of Part 375 Restricted Use Residential and Protection of Groundwater SCOs	WC01_COMP_0-5		WC01_COMP_5-10		WC01_COMP_10-15		COMPDUP01_100418		WC02_COMP_0-5		WC02_COMP_5-10		WC02_COMP_10-15		WC03_COMP_0-5		WC03_COMP_5-10		WC03_COMP_5-10		WC03_COMP_10-15		WC04_COMP_0-6		WC04_COMP_6-10		WC04_COMP_10-15		WC05_COMP_0-5		WC05_COMP_5-10		WC05_COMP_10-15		WC06_COMP_0-5		WC06_COMP_5-10		WC06_COMP_10-15	
Laboratory ID		L1840257-01		L1840257-02		L1840257-03		L1840257-09		L1840502-01		L1840502-02		L1840502-03		L1840502-04		L1840502-05		L1840502-24		L1840502-06		L1839662-20		L1839662-21		L1839662-22		L1839312-03		L1839312-04		L1839312-05		L1839007-04		L1839007-05		L1839007-06	
Sample Date		10/4/2018		10/4/2018		10/4/2018		10/4/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/5/2018		10/2/2018		10/2/2018		10/2/2018		9/28/2018		9/28/2018		9/28/2018		9/26/2018		9/26/2018		9/26/2018	
Sample Depth (feet bgs)		0-5		5-10		10-15		10-15		0-5		5-10		10-15		0-5		5-10		5-10		10-15		0-6		6-10		10-15		0-5		5-10		10-15		0-5		5-10		10-15	
Pesticides (mg/kg)																																										
4,4'-DDD	2.6	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.00176	U	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
4,4'-DDE	1.8	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.000774	J	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
4,4'-DDT	1.7	0.0032	U	0.00361	U	0.00303	U	0.00304	U	0.00331	U	0.00304	U	0.00297	U	0.00326	U	0.00298	U	0.0029	U	0.00304	U	0.00326	U	0.00294	U	0.0035	U	0.00356	U	0.00386	U	0.00306	U	0.00308	U	0.00302	U	0.00299	U
Aldrin	0.019	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.00176	U	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
Alpha-BHC	0.02	0.000711	U	0.000802	U	0.000674	U	0.000675	U	0.000735	U	0.000675	U	0.00066	U	0.000724	U	0.000663	U	0.000645	U	0.000677	U	0.000726	U	0.000653	U	0.000777	U	0.000792	U	0.000859	U	0.000681	U	0.000685	U	0.000671	U	0.000665	U
Beta-BHC	0.072	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.00176	U	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
Chlordane	~	0.0139	U	0.0156	U	0.0131	U	0.0132	U	0.0143	U	0.0132	U	0.0129	U	0.0141	U	0.0129	U	0.0126	U	0.0132	U	0.0141	U	0.0127	U	0.0152	U	0.0154	U	0.0167	U	0.0133	U	0.0134	U	0.0131	U	0.013	U
cis-Chlordane	0.91	0.00213	U	0.00241	U	0.00202	U	0.00203	U	0.0022	U	0.00202	U	0.00198	U	0.00217	U	0.00199	U	0.00193	U	0.00203	U	0.00218	U	0.00196	U	0.00233	U	0.00238	U	0.00258	U	0.00204	U	0.00206	U	0.00201	U	0.00199	U
Delta-BHC	0.25	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.00176	U	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
Dieldrin	0.039	0.00107	U	0.0012	U	0.00101	U	0.00101	U	0.0011	U	0.00101	U	0.00099	U	0.00108	U	0.000994	U	0.000967	U	0.00101	U	0.000699	J	0.000979	U	0.00116	U	0.00119	U	0.00129	U	0.00102	U	0.00103	U	0.00101	U	0.000997	U
Endosulfan I	4.8	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.00176	U	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
Endosulfan II	4.8	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.00176	U	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
Endosulfan sulfate	4.8	0.000711	U	0.000802	U	0.000674	U	0.000675	U	0.000735	U	0.000675	U	0.00066	U	0.000724	U	0.000663	U	0.000645	U	0.000677	U	0.000726	U	0.000653	U	0.000777	U	0.000792	U	0.000859	U	0.000681	U	0.000685	U	0.000671	U	0.000665	U
Endrin	0.06	0.000711	U	0.000802	U	0.000674	U	0.000675	U	0.000735	U	0.000675	U	0.00066	U	0.000724	U	0.000663	U	0.000645	U	0.000677	U	0.000726	U	0.000653	U	0.000777	U	0.000792	U	0.000859	U	0.000681	U	0.000685	U	0.000671	U	0.000665	U
Endrin aldehyde	~	0.00213	U	0.00241	U	0.00202	U	0.00203	U	0.0022	U	0.00202	U	0.00198	U	0.00217	U	0.00199	U	0.00193	U	0.00203	U	0.00218	U	0.00196	U	0.00233	U	0.00238	U	0.00258	U	0.00204	U	0.00206	U	0.00201	U	0.00199	U
Endrin ketone	~	0.00171	U	0.00192	U	0.00162	U	0.00162	U	0.00176	U	0.00162	U	0.00158	U	0.00174	U	0.00159	U	0.00155	U	0.00162	U	0.00174	U	0.00157	U	0.00186	U	0.0019	U	0.00206	U	0.00163	U	0.00164	U	0.00161	U	0.0016	U
Heptachlor	0.38	0.000853	U	0.000962	U	0.000809	U	0.00081	U	0.000882	U	0.00081	U	0.000792	U	0.000869	U	0.000795	U	0.000774	U	0.000812	U	0.000871	U	0.000783	U	0.000932	U	0.000951	U	0.00103	U	0.000817	U	0.000822	U	0.000806	U	0.000798	U
Heptachlor epoxide	~	0.0032	U	0.00361	U	0.00303	U	0.00304	U	0.00331	U	0.00304	U	0.00297	U	0.00326	U	0.00298	U	0.0029	U	0.00304	U	0.00326	U	0.00294	U	0.0035	U	0.00356	U	0.00386	U	0.00306	U	0.00308	U	0.00302	U	0.00299	U
Lindane	0.1	0.000711	U	0.000802	U	0.000674	U	0.000675	U	0.000735	U	0.000675	U	0.00066	U	0.000724	U	0.000663	U	0.000645	U	0.000677	U	0.000726	U	0.000653	U	0.000777	U	0.000792	U	0.000859	U	0.000681	U	0.000685	U	0.000671	U	0.000665	U
Methoxychlor	~	0.0032	U	0.00361	U	0.00303	U	0.00304	U	0.00331	U	0.00304	U	0.00297	U	0.00326	U	0.00298	U	0.0029	U	0.00304	U	0.00326	U	0.00294	U	0.0035	U	0.00356	U	0.00386	U	0.00306	U	0.00308	U	0.00302	U	0.00299	U
Toxaphene	~	0.032	U	0.0361	U	0.0303	U	0.0304	U	0.0331	U	0.0304	U	0.0297	U	0.0326	U	0.0298	U	0.029	U	0.0304	U	0.0326	U	0.0294	U	0.035	U	0.0356	U	0.0386	U	0.0306	U	0.0308	U	0.0302	U	0.0299	U
trans-Chlordane	~	0.00213	U	0.00241	U	0.00202	U	0.00203	U	0.0022	U	0.00202	U	0.00198	U	0.00217	U	0.00199	U	0.00193	U	0.00203	U	0.00218	U	0.00196	U	0.00233	U	0.00238	U	0.00258	U	0.00204	U	0.00206	U	0.00201	U	0.00199	U
Herbicides (mg/kg)																																										
2,4,5-T	~	0.175	U	0.2	U	0.172	U	0.169	U	0.189	U	0.172	U	0.173	U	0.182	U	0.173	U	0.167	U	0.173	U	0.185	U	0.172	U	0.194	U	0.196	U	0.223	U	0.166	U	0.175	U	0.166	U	0.167	U
2,4,5-TP (Silvex)	3.8	0.175	U	0.2	U	0.172	U	0.169	U	0.189	U	0.172	U	0.173	U	0.182	U	0.173	U	0.167	U	0.173	U	0.185	U	0.172	U	0.194	U	0.196	U	0.223	U	0.166	U	0.175	U	0.166	U	0.167	U
2,4-D	~	0.175	U	0.2	U	0.172	U	0.169	U	0.189	U	0.172	U	0.173	U	0.182	U	0.173	U	0.167	U	0.173	U	0.185	U	0.172	U	0.194	U	0.196	U	0.223	U	0.166	U	0.175	U	0.166	U	0.167	U
Polychlorinated Biphenyls (PCB) (mg/kg)																																										
Aroclor 1016	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0361	U	0.0334	U	0.0387	U	0.0375	U	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
Aroclor 1221	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0361	U	0.0334	U	0.0387	U	0.0375	U	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
Aroclor 1232	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0361	U	0.0334	U	0.0387	U	0.0375	U	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
Aroclor 1242	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0361	U	0.0334	U	0.0387	U	0.0375	U	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
Aroclor 1248	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0361	U	0.0334	U	0.0387	U	0.0375	U	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
Aroclor 1254	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.00633	J	0.0361	U	0.0334	U	0.0387	U	0.0121	J	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
Aroclor 1260	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0361	U	0.0334	U	0.0387	U	0.00742	J	0.0426	U	0.0328	U	0.00934	J	0.0333	U	0.0337	U
Aroclor 1262	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0217	J	0.0334	U	0.0387	U	0.0375	U	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
Aroclor 1268	~	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.0338	U	0.0361	U	0.0334	U	0.0387	U	0.0375	U	0.0426	U	0.0328	U	0.0353	U	0.0333	U	0.0337	U
PCBs, Total	1	0.0343	U	0.0398	U	0.0339	U	0.0334	U	0.0367	U	0.0337	U	0.0334	U	0.0365	U	0.0336	U	0.0335	U	0.00633	J	0.0217	J	0.0334	U	0.0387	U	0.0195	J	0.0426	U	0.0328	U	0.00934	J	0.0333	U	0.0337	U
Inorganics (mg/kg)																																										
Aluminum, Total	~	4440		6860		2630		2870		9600		4980		5200		6590		3500		3500		3800		8420		5540		5470		9780		6170		4130		7730		4960		3420	
Antimony, Total	~	4.04	U	0.584	J	4.08	U	4.04	U	0.622	J	4.1	U	4.08	U	0.34	J	3.94	U	3.84	U	4.11	U	4.84		3.93	U	4.42	U	0.958	J	5.12	U	3.92	U	1.23	J	0.614	J	0.523	J
Arsenic, Total	16	1.24		1.56		0.661	J	0.897		4.79		1.41		1.4		2.61		1.33		1.2		0.954		3.24		0.96		0.964		4.56		1.52		1.26		3.96		0.822		0.664	J
Barium, Total	350	25.6		44.4		20		19.1		41.6		29.9		37		38.2		24.9		24.6		28.5		31.7		35.1		28.5		92.4		27.8		26.9		57.1		22.5		18.4	
Beryllium, Total	14	0.21	J	0.326	J	0.098	J	0.105	J	0.351	J	0.246	J	0.171	J	0.23	J	0.284	J	0.131	J	0.132	J	0.307	J	0.204	J	0.177	J	0.465	J	0.164	J	0.094	J	0.384	J	0.231	J	0.172	J
Cadmium, Total	2.5	0.162	J	0.287	J	0.139	J	0.194	J	0.315	J	0.213	J	0.228	J	0.315	J	0.197	J	0.154	J	0.173	J	0.29	J	0.197	J	0.186	J	0.342	J	0.184	J	0.165	J	0.29	J	0.144	J	0.125	J
Calcium, Total	~	508		1200		12500		6920		2440		739		3520		2030		4140		3680		5700		14800		615		1270		3740		848		4360		2830		791		5160	
Chromium, Hexavalent	19	0.86	U	0.98	U	0.835	U	0.827	U	0.909	U	0.832	U	0.838	U	0.882	U	0.83	U	0.82	U	0.841	U	**572**		**130**		0.93	J	0.951	U	1.07	U	0.822	U	0.865	U	0.818	U	0.815	U
Chromium, Trivalent	36	8.1		18		7.5		7.3		16		14		17		14		9.2		9		12		**160**		**38**		12	J	16		12		14		14		11		8.1	
Chromium, Total	~	8.1		18.1		7.48		7.26		15.9		13.8		16.6		13.5		9.24		9.02		11.9		733		168		12.7		15.8		12.5		13.6		14.4		11		8.07	
Cobalt, Total	~	3.82		8.56		3.94		4.05		6.29		5.33		6.54		5.29		4.38		3.87		4.87		5.15		4.65		5.26		5.35		5.56		4.53		5.78		4.66		4.18	
Copper, Total	270	10.4		20.4		10.4		9.14		21.7		14		14.8		20.9		14.1		11.2		9.91		25.5		17.2		9.95		19.3		12.8		12.9		31		10.8		9.24	
Cyanide, Total	27	1	U	1.2	U	0.98	U	1	U	1.1	U	0.97	U	0.96	U	1	U	1	U	0.93	U	0.98	U	1.1	U	0.98	U	1.1	U	1.1	U	1.2	U	0.94	U	1	U	0.93	U	0.96	U
Iron, Total	~	7370		15800		6660		7330		14800		9970		11100		12000		10200		7120		8000		12500		9520		10700		13500		10300		8640		12200		8610		7360	
Lead, Total	400	5.88		4.56	J	2.4	J	2.04	J	38.8		3.65	J	4.79		31.9		4.83		3.11	J	2.85	J	14.5		2.12	J	2.44	J	78.6		3.78	J	8.87		53.3		2.8	J	2.63	J
Magnesium, Total	~	1820		3830		8260		4950		2360		2260		3970		2350		3410		3030		4220		4540		2560		2800		1910		2890		4010		2470		2820		3940	
Manganese, Total	2000	276		371		163		212		270		300		235		252		204		192		176		212		256		187		552		267		235		327		238		201	
Mercury, Total	0.73	0.017	J	0.077	U	0.066	U	0.066	U	0.136		0.031	J	0.05	J	0.119		0.023	J	0.024	J	0.022	J	0.045	J	0.065	U	0.074	U	0.222		0.084	U	0.015	J	0.1		0.064	U	0.065	U
Nickel, Total	130	8.63		13.7		7.74		8.19		12.4		9.93		11.1		10.5		10.8		7.61		8.73		14.2		8.94		9.58		8.8		10.4		9.06		11.4		9.52		7.49	
Potassium, Total	~	374		2240		806		600		615		693		1170		738		625		596		1020		646		856		942		453		526		616		995		538		456	
Selenium, Total	4	1.62	U	1.92	U	0.449	J	0.218	J	0.991	J	0.435	J	0.448	J	0.553	J	0.252	J	0.361	J	0.239	J	0.921	J	0.558	J	0.371	J	0.645	J	2.05	U	1.57	U	0.812	J	1.6	U	0.203	J
Silver, Total	8.3	0.809	U	0.958	U	0.816	U	0.808	U	0.901	U	0.821	U	0.815	U	0.851	U	0.789	U	0.769	U	0.823	U	0.853	U	0.787	U	0.884	U	0.949	U	1.02	U	0.784	U	0.855	U	0.798	U	0.781	U
Sodium, Total	~	39.2	J	63.6	J	62.9	J	58.5	J	45.2	J	57.7	J	84.2	J	103	J	84.7	J	94.3	J	103	J	162	J	59.3	J	97.3	J	111	J	504		235		138	J	132	J	150	J
Thallium, Total	~	1.62	U	1.92	U	1.63	U	1.62	U	1.8	U	1.64	U	1.63	U	1.7	U	1.58	U	1.54	U	1.64	U	1.71	U	1.57	U	1.77	U	0.465	J	2.05	U	1.57	U	1.71	U	1.6	U	1.56	U
Vanadium, Total	~	12.1		28.4		11		13.1		22.5		18.9		18.7		18.2		20.7		12.2		15.2		17.4		13.8		14.7		19		16.4		14.8		18.1		14.5		11.5	
Zinc, Total	2200	37.2		40.8		23.4		36.1		57.4		23.2		30.7		77.4		18		17.2		23.7		31.8		24.1		25.8		64		27.3		23		61.2		23.1		18.5	

Notes:
1. Composite soil sample analytical results are compared to the lower of New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Residential Soil Cleanup Objectives (SCO) and Protection of Groundwater SCOs.
2. Analytes detected with concentrations above the lower of NYSDEC Part 375 Restricted Use Residential SCOs and Protection of Groundwater SCOs are shaded and bolded.
3. Analytical results with reporting limits (RL) above the regulatory comparison criteria are italicized.
4. Sample COMPDUP01_100418 is a duplicate of sample WC01_COMP_10-15.
5. ~ = Criterion does not exist
6. mg/kg = milligrams per kilogram
7. bgs = below grade surface

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5
Waste Characterization Report
Composite Soil Sample Analytical Results - TCLP, RCRA Characteristics and Paint Filter

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic	WC01 WC01_COMP_0-5 L1840257-01 10/4/2018 0-5	WC01 WC01_COMP_5-10 L1840257-02 10/4/2018 5-10	WC01 WC01_COMP_10-15 L1840257-03 10/4/2018 10-15	WC01 COMPDUP01_100418 L1840257-09 10/4/2018 10-15	WC02 WC02_COMP_0-5 L1840502-01 10/5/2018 0-5	WC02 WC02_COMP_5-10 L1840502-02 10/5/2018 5-10	WC02 WC02_COMP_10-15 L1840502-03 10/5/2018 10-15	WC03 WC03_COMP_0-5 L1840502-04 10/5/2018 0-5	WC03 WC03_COMP_5-10 L1840502-05 10/5/2018 5-10	WC03 WC03_COMP_5-10 L1840502-24 10/5/2018 5-10	WC03 WC03_COMP_10-15 L1840502-06 10/5/2018 10-15	WC04 WC04_COMP_0-6 L1839662-20 10/2/2018 0-6	WC04 WC04_COMP_6-10 L1839662-21 10/2/2018 6-10	WC04 WC04_COMP_10-15 L1839662-22 10/2/2018 10-15	WC05 WC05_COMP_0-5 L1839312-03 9/28/2018 0-5	WC05 WC05_COMP_5-10 L1839312-04 9/28/2018 5-10	WC05 WC05_COMP_10-15 L1839312-05 9/28/2018 10-15	WC06 WC06_COMP_0-5 L1839007-04 9/26/2018 0-5	WC06 WC06_COMP_5-10 L1839007-05 9/26/2018 5-10	WC06 WC06_COMP_10-15 L1839007-06 9/26/2018 10-15
TCLP Volatile Organic Compounds (mg/L)																					
1,1-Dichloroethene	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0046 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Semivolatile Organic Compounds (mg/L)																					
2,4,5-Trichlorophenol	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol/4-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.018 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Pesticides (mg/L)																					
Chlordane	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0.014	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.042	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	0.008	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lindane	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Herbicides (mg/L)																					
2,4,5-TP (Silvex)	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/L)																					
Arsenic, TCLP	5	1 U	1 U	1 U	1 U	1 U	0.024 J	0.019 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.022 J	1 U	0.021 J	1 U	1 U	1 U
Barium, TCLP	100	0.603	0.399 J	0.257 J	0.302 J	0.432 J	0.338 J	0.407 J	0.452 J	0.388 J	0.443 J	0.496 J	0.272 J	0.358 J	0.345 J	0.737	0.238 J	0.5 U	0.462 J	0.184 J	0.218 J
Cadmium, TCLP	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, TCLP	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**8.08**	1.61	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead, TCLP	5	0.169 J	0.5 U	0.5 U	0.5 U	0.052 J	0.5 U	0.5 U	0.091 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.098 J	0.5 U	0.5 U	0.078 J	0.5 U	0.03 J
Mercury, TCLP	0.2	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Selenium, TCLP	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver, TCLP	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
RCRA Characteristics																					
pH	<2 or >12.5	7.4	7.1	8.3	8.4	8.3	7.8	8	10.1	9.7	9.2	9.3	10.5	6.9	8.1	7.6	8	8.7	8.2	7.2	8
Ignitability	I / NI	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U	NI U
Paint Filter Liquid	POSITIVE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NEGATIVE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Reactive	~	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sulfide, Reactive	~	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes:
1. Composite soil sample analytical results are compared to the 6 New York Codes, Rules and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.
2. Analytes detected with concentrations above RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic are shaded and bolded.
3. Analytical results with reporting limits (RL) above the regulatory comparison criteria are italicized.
4. Sample COMPDUP01_100418 is a duplicate of sample WC01_COMP_10-15.
5. ~ = Criterion does not exist
6. NA = Not analyzed
7. mg/L = milligrams per liter
8. RCRA = Resource Conservation and Recovery Act
9. I / NI = Ignitable / Not Ignitable
10. TCLP = Toxicity Characteristic Leaching Procedure
11. bgs = below grade slab

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.

Table 6
Waste Characterization Report
Grab Soil Sample Analytical Results - Total and TCLP Chromium

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic	SB03 SB03_0.5-1.5 L1839662-04 10/2/2018 0.5-1.5	SB03 SB03_3-4 L1839662-05 10/2/2018 3-4	SB03 SB03_5-6 L1839662-06 10/2/2018 5-6	SB04 SB04_1-2 L1839480-01 10/1/2018 1-2	SB04 SB04_2-3 L1839480-02 10/1/2018 2-3	SB04 SB04_6-7 L1849188-01 10/1/2018 6-7	SB04 SB04_8-9 L1849739-01 10/1/2018 8-9	SB04A SB04A_3-5 L1847730-04 11/20/2018 3-5	SB04A SB04A_5-6 L1847730-02 11/20/2018 5-6	SB04.1 SB04.1_1-3 L1847730-05 11/20/2018 1-3	SB04.1 SBDUP04_112018 L1847730-03 11/20/2018 1-3	SB04.1 SB04.1_3-5 L1847730-11 11/20/2018 3-5	SB04.2 SB04.2_1-3 L1847730-30 11/20/2018 1-3	SB04.4 SB04.4_1-3 L1847730-07 11/20/2018 1-3	SB04.4 SB04.4_3-5 L1847730-28 11/20/2018 3-5	SB04.5 SB04.5_1-3 L1847730-23 11/20/2018 1-3	SB04.7 SB04.7_1-3 L1847730-06 11/20/2018 1-3
Metals (mg/kg)																		
Chromium, Total	~	NA	NA	NA	NA	NA	502	32.7	480	729	949	1010	172	764	295	7.41	14.7	1810
TCLP Chromium (mg/L)																		
Chromium	5	0.2 U	0.047 J	0.047 J	**27**	**27.2**	**9.4**	0.2 U	**10.1**	**11.6**	**9.17**	**5.76**	**6.02**	1.11	**5.34**	0.2 U	0.2 U	1.83

Notes:

1. Grab soil sample analytical results are compared to the 6 New York Codes, Rules and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.
2. Analytes detected with concentrations above RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic are shaded and bolded.
3. mg/kg = milligram per kilogram
4. mg/L = milligram per liter
5. bgs = below grade surface
6. TCLP = Toxicity Characteristic Leaching Procedure
7. NA = Not Analyzed

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 7
Waste Characterization Report
Grab Soil Sample Analytical Results - Total and TCLP Lead

37-11 30th Street
Long Island City, New York
BCP Site No. C241211
Langan Project No. 170512301

Sample Location **Sample ID** **Laboratory ID** **Sample Date** **Sample Depth (feet bgs)**	**RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic**	**SB06A** **SB06A_1-2** **L1851880-01** **12/17/2018** **1-2**
Total Metals (mg/kg)		
Lead, Total	~	1,740
TCLP Lead (mg/L)		
Lead, TCLP	5	3.87

Notes:
1. Grab soil sample analytical results are compared to the 6 New York Codes, Rules and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.
2. Analytes detected with concentrations above RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic are shaded and bolded.
3. mg/kg = milligram per kilogram
4. mg/L = milligram per liter
5. bgs = below grade surface
6. TCLP = Toxicity Characteristic Leaching Procedure

ATTACHMENT 1

WASTE CHARACTERIZATION
SOIL BORING LOGS

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Log of Boring **SB01** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 44.22 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/4/18 / Date Finished: 10/4/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 40 ft / Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 8 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 26 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+44.2		10" CONCRETE slab	0						
	+43.4		R1a (0-21") red-brown to dark brown fine SAND, some silt (moist) [FILL]	1	R1	MACROCORE	36	NA	0.1	Collect SB01_0.5-1.5 at 7:45
				2					0.7 0.0	Collect SB01_1.5-2 at 7:48 Collect SB01_2-3 at 7:49
			R1b (21-36") light brown fine SAND (dry) [FILL]	3					0.0 0.0	
				4						
				5						
				6						
				7	R2	MACROCORE	32	NA		Collect SB01_6.5-7.5 at 7:53 Collect SB01_7-8 at 7:52
			R2a (0-10") gray fine SAND, trace coarse sand, trace fine gravel (dry) [FILL]	8					0.0 0.0	Collect SB01_7.5-8.5 at 7:55
	+35.9		R2b (10-12") dark brown fine SAND, some medium sand, trace coarse sand, trace fine gravel (moist) [FILL]	9					0.0 0.0	Collect SB01_8.5-9.5 at 8:01
	+34.6		R2c (12-28") light brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry)	10					0.0	Collect SB01_9.5-10.5 at 8:02
			R2d (28-32") soft tan SILT, wood (dry)	11						
	+32.3			12	R3	MACROCORE	37	NA	0.0 0.0	Collect SB01_12-13 at 8:05
			R3a (0-12") tan fine SAND, trace silt, trace clay (dry)	13					0.0 0.0	Collect SB01_13-14 at 8:07
			R3b (12-16") gray to tan fine SAND (dry) R3c (16-37") light brown fine SAND, trace coarse sand, trace fine gravel (dry to moist)	14					0.0 0.0	Collect SB01_14-15 at 8:09
				15						
				16						
			R4a (0-10") to dense light brown fine SAND, trace coarse sand, trace fine gravel (dry)	17	R4	MACROCORE	38	NA	0.0 0.0	
			R4b (10-38") tan fine SAND (dry)	18					0.0 0.0	
				19					0.0 0.0	
				20						

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Log of Boring **SB01** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	44.22 NAVD88 (top of casing)

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+24.2			20						
				21						
			R5a (0-14") tan fine SAND (dry)	22	R5	MACROCORE	36	NA	0.0	
			R5b (14-36") light brown fine SAND, trace medium sand, trace fine gravel, trace coarse-fine gravel (dry)	23					0.0	
				24					0.0	
				25					0.0	
			R6 (0-47") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (wet)	26	R6	MACROCORE	47	NA	0.0	Water Table at about 26 feet bgs Collect SB01_26-27 at 8:30
				27					0.0	
				28					0.0	
				29					0.0	
				30					0.0	
			R7 (0-48") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (wet)	31	R7	MACROCORE	48	NA	0.0	
				32					0.0	
				33					0.0	
				34					0.0	
				35					0.0	
			R8a (0-21") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (wet) R8b (21-29") brown to orange fine SAND, trace coarse sand, trace fine gravel (wet)	36	R8	MACROCORE	55	NA	0.0	
				37					0.0	
				38					0.0	
			R8c (29-55") brown fine SAND, trace coarse sand, trace fine gravel, 3 1-inch clay lenses 1-foot from end of recovery (wet)	39					0.0	
	+4.2			40					0.0	End of boring at 40 feet bgs. Monitoring well MW01 installed in borehole. See Monitoring Well Construction Log for details.
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB02** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 43.65 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/4/18 — Date Finished: 10/4/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 35 ft — Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 7 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 25 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+43.7			0						
	+43.3		R1a (0-4") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry) [FILL] R1b (4-10") light brown to orange-brown SILT (moist) [FILL] R1c (10-48") brown medium SAND, trace fine sand, trace coarse sand, trace fine gravel (dry) [FILL]	1	R1	MACROCORE	48	NA	0.0	Collect SB02_0-1 at 12:59 Collect SB02_0.5-1.5 at 13:00
				2					0.0	Collect SB02_1-2 at 13:00
				3					0.0	Collect SB02_3-4 at 13:04 (R1)
				4					0.0	Collect SB02_3-4 at 13:05 (WC)
				5						
				6						
	+37.2		R2a (0-31") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry) R2b (31-43") brown fine SAND, some silt (dry)	7	R2	MACROCORE	43	NA	0.0	Collect SB02_7-8 at 13:06
				8					0.0	Collect SB02_8-9 at 13:08
				9					0.0	Collect SB02_9-10 at 13:10
				10						
			R3 (0-44") light brown fine SAND, trace coarse sand, trace fine gravel (dry)	11	R3	MACROCORE	44	NA	0.0	
				12					0.0	Collect SB02_12-13 at 13:11
				13					0.0	Collect SB02_13_14 at 13:13
				14					0.0	Collect SB02_14-15 at 13:15
				15						
			R4a (0-24") light brown fine SAND, some medium sand R4b (24-48") gray fine SAND, some medium sand	16	R4	MACROCORE	48	NA	0.0	
				17					0.0	
				18					0.0	
				19					0.0	
				20					0.0	

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Log of Boring **SB02** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	43.65 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+23.7		R5 (0-60") light brown fine SAND, some medium sand (wet)	20	R5	MACROCORE	60	NA	0.0	
				21					0.0	
				22					0.0	
				23					0.0	
				24					0.0	
				25					0.0	
			R6 (0-60") light brown medium SAND, some fine sand, trace coarse sand, trace fine gravel (wet)	26	R6	MACROCORE	60	NA	0.0	Water Table at about 25 feet bgs Collect SB02_26-27 at 13:30
				27					0.0	
				28					0.0	
				29					0.0	
				30					0.0	
			R7 (0-70") light brown medium SAND, some fine sand, trace coarse sand, trace fine gravel (wet)	31	R7	MACROCORE	60	NA	0.0	
				32					0.0	
				33					0.0	
				34					0.0	
	+8.7			35					0.0	End of boring at 35 feet bgs. MW02 was installed 23-35 feet bgs. See Monitoring Well Construction Log for details.
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB03** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 42.27 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/2/18 / Date Finished: 10/2/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 40 ft / Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 8 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 23 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+42.3			0						
	+41.9		4-inch CONCRETE slab							
			R1a (0-3") gray fine GRAVEL (dry) [FILL]						0.2	Collect SB03_0.5-1.5 at 9:20
			R1b (3-12") gray to black medium SAND, some fine gravel, trace coarse sand (dry) [FILL]	1					0.4	
			R1c (12-26") orange-brown fine SAND, some silt (dry) [FILL]						0.0	
				2					0.0	
					R1	MACROCORE	26	NA	0.0	
				3						Collect SB03_3-4 at 9:25
				4						
				5						Collect SB03_5-6 at 9:42
				6						
	+35.6		R2a (0-2") orange-brown fine SAND, some silt (dry) [FILL]						0.0	
			R2b (2-16") light brown fine SAND, trace coarse sand, trace fine gravel (dry)	7					8.2	Collect SB03_7-8 at 9:43
			R2c (16-42") tan fine SAND, trace coarse sand, trace fine gravel (dry)		R2	MACROCORE	42	NA	7.2	
				8					0.0	Collect SB03_8-9 at 9:44
									0.0	
				9					0.0	Collect SB03_9-10 at 9:45
									0.0	
				10					0.0	Collect SB03_10-11 at 9:50
									0.0	
			R3a (0-18") light brown fine SAND, trace coarse sand, trace fine gravel (dry)	11					0.0	Collect SB03_11-12 at 9:51
									0.0	
				12					0.0	
	+29.9		R3b (18-44") brown SILT, some interbedded fine sand, clay lenses at 44-50-inches (mosit)		R3	MACROCORE	50	NA	0.0	
				13					0.0	Collect SB03_13-14 at 9:52
									0.0	
				14					0.0	
	+27.8								0.0	
			R3c (44-50") brown fine SAND, some silt, trace clay (moist)	15						
			R4a (0-24") light brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry)						0.0	
				16					0.0	
									0.0	
				17					0.0	
					R4	MACROCORE	50	NA	0.0	
			R4b (24-32") light brown fine SAND, trace silt (dry)	18					0.0	
			R4c (32-50") fine SAND, some silt, 0.5-1-cm clay lenses (moist)						0.0	
				19					0.0	
									0.0	
				20						

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Log of Boring **SB03** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	42.27 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+22.3			20						
			R5a (0-14") brown fine SAND, trace coarse sand, trace fine gravel (dry)	21					0.0 0.1	
			R5b (14-50") brown fine SAND, trace coarse sand, trace silt (moist)	22	R5	MACROCORE	50	NA	2.1 0.0 0.0	Water Table at about 23 feet bgs Collect SB03_22.5-23.5 at 9:55
			▽	23					0.0 0.0 0.0	
				24					0.0 0.0 0.0	
				25						Collect SB03_25-26 at 10:00
			R6 (0-52") brown fine SAND lenses, 3 1-inch medium sand lenses at 42-inches, 39-inches and 52-inches (wet)	26					22	
				27	R6	MACROCORE	52	NA	6.3 0.0 0.0	
				28					0.0 0.1	
				29					0.0 1.2	
				30						
			R7 (0-54") brown fine SAND, trace medium sand, trace silt, trace fine gravel (wet)	31					0.0 0.0 0.0	
				32	R7	MACROCORE	54	NA	0.0 0.0	Collect SB03_32-33 at 10:10
				33					0.0 0.0	
				34					0.0 0.0	
				35						
			R8 (0-44") brown fine SAND, trace medium sand (wet)	36					0.0	
				37	R8	MACROCORE	44	NA	0.0 0.0	
				38					0.0 0.0	
				39					0.0 0.0	
	+2.3			40						End of boring at 40 feet bgs. MW03 was installed 32 feet bgs. See Monitoring Well Construction Log for details.
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB04** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 44.25 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/1/18 / Date Finished: 10/1/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 35 ft / Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 7, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 24, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+42.3			0						
	+41.8		6-inch CONCRETE slab						0.0	Collect SB04_0-1 at 12:10
			R1a (0-12") dark brown fine SAND, trace silt, trace medium sand, trace fine gravel, trace coarse sand, brick, coal (dry) [FILL]	1					0.0	Collect SB04_1-2 at 12:10
			R1b (12-21") brown/reddish-brown fine SAND, trace coarse sand, trace fine gravel, trace silt (dry) [FILL]	2					0.0	Collect SB04_2-3 at 12:10
			R1c (21-33") light brown quick SAND, trace medium sand, trace coarse sand, trace fine gravel (dry) [FILL]	3	R1	MACROCORE	33	NA	5.0	
				4					0.0	
				5						
				6						Collect SB04_6-7 at 12:20
	+35.1			7						
			R2a (0-24") tan fine SAND, trace coarse sand, trace fine gravel (dry)	8	R2	MACROCORE	34	NA	0.0	Collect SB04_8-9 at 12:20
			R2b (24-34") brown fine SAND, some silt, trace coarse sand, trace fine gravel (dry)	9					0.0	
				10					0.0	
				11						
			R3a (0-8") brown fine SAND, some silt, trace clay, trace coarse sand, trace fine gravel (dry)	12						Collect SB04_12-13 at 12:30
			R3b (8-35") tan fine SAND, trace silt (dry)	13		MACROCORE	33	NA	0.0	
				14					0.0	Collect SB04_14-15 at 12:30
				15					0.0	
				16						
			R4a (0-32") tan fine SAND (dry)	17					0.0	
				18		MACROCORE	46	NA	0.0	
				19					0.0	
	+23.4			20					0.0	
	+23.1		R4b (32-36") tan to gray-tan SILT, some fine sand, trace clay (dry)						0.0	
			R4c (36-46") tan fine SAND (moist)							

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Log of Boring **SB04** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	44.25 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+22.3			20						
				21						
				22		MACROCORE	34	NA	0.0	
			R5a (0-20") brown fine SAND, trace silt, trace clay (moist)	23					0.0	
									0.0	Collect SB04_23.5-24.5 and SBDUP02_100118 at 14:00
			R5b (29-34") brown fine SAND, trace silt (moist) ▽	24					0.0	Water Table at about 24 feet bgs
				25						
			R6a (0-8") dark brown fine SAND (wet)	26		MACROCORE	53	NA	0.0	
			R6b (8-53") dark brown fine SAND, trace silt (wet)	27					0.0	
				28					0.0	
				29					0.0	
				30					0.0	
				31						
			R7 (0-40") fine SAND (wet)	32		MACROCORE	40	NA	0.0	
				33					0.0	Collect SB04_34-35, MS_SS02_100118 and MSD_SS02_100118 at 14:40
				34					0.0	
	+7.3			35					0.0	End of boring at 35 feet bgs. MW04 was installed in borehole. See Monitoring Well Construction Log for details.
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB05** Sheet 1 of 3

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 44.29 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 9/28/18 — Date Finished: 9/28/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 70 ft — Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 14 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 23 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Seickel
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Luke McCartney
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Number	Sample Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+42.3			0						Collect SB05_0-2 at 8:45
	+41.9		5-inch CONCRETE slab							
			R1a (0-16") reddish-brown to brown fine SAND, trace silt, trace clay, trace fine gravel, brick, metal (moist) [FILL]	1	R1	MACROCORE	46	NA	0.0	
			R1b (16-28") stiff reddish-brown CLAY, trace fine gravel (moist) [FILL]	2					0.0	
	+39.5		R1c (28-46") reddish-brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel, trace coarse gravel (moist)	3					0.0	
				4					0.0	
				5					0.0	
				6					0.0	
				7	R2	MACROCORE	16	NA	0.0	
				8					0.0	
			R2 (0-16") tan fine SAND (moist)	9					0.0	
				10					0.0	
				11					0.0	
			R3 (0-44") tan fine SAND, trace medium sand, trace coarse sand, trace fine gravel, trace coarse gravel	12	R3	MACROCORE	44	NA	0.0	
				13					0.0	
				14					0.0	
				15					0.0	
				16					0.0	
			R4a (0-24") light brown fine SAND, some medium sand, trace coarse sand, trace fine gravel (moist)	17	R4	MACROCORE	36	NA	0.0	
				18					0.0	
				19					0.0	
			R4b (24-36") tan fine SAND, some silt, trace coarse sand, trace fine gravel (dry)	20					0.0	
				21	R5	MACROCORE	36			
				22						

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Log of Boring **SB05** Sheet 2 of 3

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	44.29 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+20.3		R5a (0-27") tan fine SAND, some silt, trace coarse sand (dry to moist)	22	R5	MACROCORE	36	NA	0.0	Collect SB05_22-23 at 9:15
				23					0.0	
									0.0	Water Table at about 23 feet bgs
				24					0.0	
			R5b (27-36") fine SAND, brown silt, trace clay (wet)						0.0	
				25						
				26						
									0.0	
			R6 (0-39") brown fine SAND (wet)	27	R6	MACROCORE	39	NA	0.0	
									0.0	
				28					0.0	
									0.0	
				29					0.0	
									0.0	
				30						
				31					0.0	
									0.0	
			R7a (0-24") brown fine SAND (wet)	32	R7	MACROCORE	42	NA	0.0	
									0.0	
				33					0.0	
									0.0	
			R7b (24-42") olive-brown silty fine SAND, trace clay (wet)	34					0.0	
									0.0	
				35						
									0.0	
			R8 (0-50") reddish-brown fine SAND, some medium sand, trace coarse sand, trace fine gravel (moist)	36					0.0	
									0.0	
				37	R8	MACROCORE	50	NA	0.0	
									0.0	
				38					0.0	
									0.0	
				39					0.0	
									0.0	
				40						
									0.0	
			R9a (0-25") reddish-brown fine SAND, some medium sand, trace coarse sand, trace fine gravel (moist)	41					0.0	
									0.0	
				42	R9	MACROCORE	50	NA	0.0	
									0.0	
			R9b (25-50") olive-brown silty fine SAND, trace clay (wet)	43					0.0	
									0.0	
				44					0.0	
									0.0	
				45						Collect SB05_45-46 at 9:45
			R10a (0-10") olive silty fine SAND, trace clay (wet)						0.0	
	-4.0			46					0.0	
			R10b (10-55") very stiff olive CLAY, trace coarse sand, trace fine gravel, trace medium sand, trace coarse gravel, rounded to sub-rounded clasts (moist) [TILL]						0.0	
				47					0.0	
					R10	MACROCORE	55	NA	0.0	
				48					0.0	
									0.0	
				49					0.0	

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Log of Boring **SB05** Sheet 3 of 3

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	44.29 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-7.2			49.5			55		0.0	
			R11 (0-60") very stiff olive CLAY, trace coarse sand, trace fine gravel, trace medium sand, trace coarse gravel, rounded to sub-rounded clasts (moist) [TILL]	50	R11	MACROCORE	60	NA	0.0	
				51					0.0	
				52					0.0	
				53					0.0	
				54					0.0	
				55					0.0	
			R12a (0-48") stiff to very stiff olive-gray CLAY, some fine sand, trace coarse sand, trace fine gravel, trace coarse gravel, rounded to sub-rounded clasts (moist) [TILL]	56	R12	MACROCORE	60	NA	0.0	
				57					0.0	
				58					0.0	
	-16.7			59					0.0	
			R12b (48-60") brown to reddish-brown medium SAND, trace fine sand (wet)	60					0.0	
			R13a (0-18") reddish-brown medium SAND (wet)	61	R13	MACROCORE	60	NA	0.0	
			R13b (18-23") reddish-brown fine SAND, some silt, trace clay (wet)	62					0.0	
			R13c (23-60") reddish-brown fine SAND (wet)	63					0.0	
				64					0.0	
	-22.7			65					0.0	Collect SB05_65-66 at 12:00
			R14 (0-60") very stiff brown to grayish-brown CLAY, trace coarse sand, trace fine gravel, trace coarse gravel, rounded to sub-rounded clasts (dry) [TILL]	66	R14	MACROCORE	60	NA	0.0	
				67					0.0	
				68					0.0	
				69					0.0	
	-27.7			70					0.0	End of boring at 70 feet bgs. Monitoring well MW05A installed in borehole. See Monitoring Well Construction Log for details.
				71						
				72						
				73						
				74						
				75						
				76						
				77						

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Log of Boring **SB06** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 40.45 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 9/27/18 / Date Finished: 9/27/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 30 ft / Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 6 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 22 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Thomas Seickel
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Luke McCartney
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+40.5			0						
	+40.1		4-inch CONCRETE slab							
			R1a (0-12") stiff reddish-brown CLAY, trace fine gravel, coal (moist) [FILL]	1					0.0	Collect SB06_1-2 at 14:00
			R1b (12-24") dark brown to black fine SAND, some medium sand, trace fine gravel, brick, concrete, coal, slag, glass (moist) [FILL]	2					0.0	
	+38.1		R1c (24-38") light brown fine SAND, trace fine gravel (moist)	3	R1	MACROCORE	38	NA	0.0	
				4					0.0	
			R2 (0-34") tan fine SAND, trace medium sand, trace coarse sand, trace fine gravel (moist)	5						
				6						
				7	R2	MACROCORE	34	NA	0.0	
				8					0.0	
				9					0.0	
				10					0.0	
				11						
			R3 (0-39") tan fine SAND, trace medium sand, trace coarse sand, trace fine gravel, trace coarse gravel (moist to dry)	12					0.0	
				13	R3	MACROCORE	39	NA	0.0	
				14					0.0	
				15					0.0	
				16						
			R4a (0-36") tan fine SAND, some medium sand, trace coarse sand, trace fine gravel (moist)	17					0.0	
				18	R4	MACROCORE	49	NA	0.0	
				19					0.0	
			R4b (36-49") olive-brown silty fine SAND, 1-2-inch clay lenses (moist)	20					0.0	

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Log of Boring **SB06** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	40.45 NAVD88 (top of casing)

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+20.5		R5a (0-7") olive brown silty fine SAND, trace clay (moist) R5b (7-31") olive brown fine SAND, some silt (moist to wet)	20					0.0	
				21					0.0	
				22					0.0	Collect SB06_21.5-22.5 AT 14:30 Water Table at about 22 feet bgs
			R5c (31-60") olive-brown fine SAND, trace clay (wet)	23	R5	MACROCORE	60	NA	0.0	
				24					0.0	
				25					0.0	
				26					0.0	
			R6 (0-42") olive-brown to brown fine SAND, trace silt, trace clay (wet)	27					0.0	
				28	R6	MACROCORE	42	NA	0.0	
				29					0.0	Collect SB06_29-30 at 14:45
	+10.5			30					0.0	End of boring at 30 feet bgs. Monitoring well MW06 installed in borehole. See Monitoring Well Construction Log for details.
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB07** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 40.01 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 9/26/18 — Date Finished: 9/26/18
Drilling Equipment: Geoprobe 6610DT Drill Rig	Completion Depth: 32 ft — Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 8 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 22.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Seickel
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Luke McCartney
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+40.0		6-inch CONCRETE slab	0						Collect SB07_0-1 at 12:15
	+39.5		R1 (0-31") reddish-brown to brown fine SAND (moist) [FILL]	1	R1	MACROCORE- OPEN	31	NA	0.0	Collect SB07_0-2 at 12:55
				2					0.0	
				3					0.0	Collect SB07_3-4 and SB07_3-5 at 13:00
				4					0.0	
			R2a (0-12") reddish-brown to brown fine SAND, trace coarse sand, concrete (moist) [FILL]	5	R2	MACROCORE- OPEN	36	NA	0.0	Collect SB07_5-6 at 13:03
	+34.0		R2b (12-36") tan fine SAND, trace coarse sand, trace medium sand (moist)	6					0.0	
				7					0.0	
				8					0.0	Collect SB07_8-10 at 13:00
	+30.5		R3a (0-11") fine brown CLAY, some silt, trace fine sand (moist to wet)	9	R3	MACROCORE- OPEN	30	NA	0.0	
	+29.6		R3b (11-30") tan fine SAND, trace coarse sand, trace fine gravel (dry)	10					0.0	Collect SB07_10-11 at 13:15
				11					0.0	
				12					0.0	
			R4a (0-13") tan fine SAND, trace medium sand, trace coarse sand (dry)	13	R4	MACROCORE- OPEN	33	NA	0.0	
			R4b (13-33") tan fine SAND (dry)	14					0.0	Collect SB07_14-15 at 13:17
				15					0.0	
				16					0.0	
			R5 (0-29") tan fine SAND (dry)	17	R5	MACROCORE- OPEN	29	NA	0.0	
				18					0.0	
				19					0.0	
				20					0.0	

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Log of Boring **SB07** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	40.01 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+20.0		R6a (0-23") light brown fine SAND (moist)	20	R6	MACROCORE- OPEN	41	NA	0.0	
				21					0.0	Collect SB07_21-13 at 13:30
				22					0.0	
				22					0.0	
			R6b (23-33") brown silty fine SAND, trace clay (moist to wet)	23					0.0	Water Table at about 22.5 feet bgs
			R6c (33-36") brown fine SAND, trace coarse sand (wet)	24					0.0	
			R6d (36-41") brown silty fine SAND, trace clay (wet)	25	R7	MACROCORE- OPEN	12	NA		
				26						
			R7 (0-12") brown fine SAND, trace fine gravel (wet)	27					0.0	
				27					0.0	
				28					0.0	
			R8a (0-18") pinkish-gray fine SAND, 3 1-inch clay lenses at 18-19-inches, 23-24-inches and 28-29-inches, sand in silt lenses (wet)	28	R8	MACROCORE- OPEN	48	NA	0.0	
				29					0.0	
	+10.5		R8b (18-34") stiff to very stiff brown clayey SILT, some sand (wet)	29					0.0	
				30					0.0	
	+9.2		R8c (34-48") fine SAND (wet)	30					0.0	
				31					0.0	
	+8.0			31					0.0	
				32						End of boring at 32 feet bgs. Monitoring well MW07 installed in borehole. See Monitoring Well Construction Log for details.
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB08** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 40 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/5/18 — Date Finished: 10/5/18
Drilling Equipment: Geoprobe 7822DT Drill Rig	Completion Depth: 36 ft — Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 9 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 22 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+40.0		10-inch CONCRETE slab	0						Collect SB08_0-1 at 7:45
	+39.2		R1a (0-15") brown SAND, some silt, trace clay (dry) [FILL]	1	R1	MACROCORE	28	NA	0.0	Collect SB08_1-2 at 7:47
									0.0	Collect SB08_1.5-2.5 at 7:47
			R1b (15-28") brown fine SAND, trace coarse sand, trace fine gravel (dry) [FILL]	2					0.0	
									0.0	
				3					0.0	
									0.0	
				4						
			R2a (0-8") brown fine SAND, trace coarse sand, trace fine gravel (dry) [FILL]						0.0	
	+35.0			5					0.0	Collect SB08_5-6 at 7:50
			R2b (8-32") brown medium SAND, some fine sand, trace fine gravel, trace coarse sand (dry)		R2	MACROCORE	44	NA	0.0	
				6					0.0	
									0.0	
	+33.0									
	+32.7		R2c (32-36") brown SILT, trace clay (dry)	7					0.0	Collect SB08_7-8 at 7:52
			R2d (36-44") brown fine SAND, trace medium sand, trace coarse sand						0.0	
				8					0.0	
			R3a (0-20") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry)	9					0.0	
									0.0	
				10	R3	MACROCORE	36	NA	0.0	Collect SB08_10-11 at 8:00
									0.0	
			R3b (20-27") gray medium SAND, trace fine sand, trace coarse sand, trace fine gravel (dry)	11					0.0	Collect SB08_11-12 at 8:02
			R3c (27-36") light brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry)						0.0	
				12					0.0	
			R4a (0-10") brown medium SAND, trace fine sand, trace coarse sand, trace fine gravel (dry)						0.0	
				13					0.0	
			R4b (10-19") gray fine SAND, some medium sand, trace coarse sand, trace fine gravel (dry)						0.0	
			R4c (19-46") brown fine SAND, trace silt, trace medium sand, trace coarse sand, trace fine gravel (dry)	14	R4	MACROCORE	46	NA	0.0	
									0.0	
				15					0.0	
									0.0	
				16					0.0	
			R5 (0-48") tan fine SAND, trace coarse sand							
				17					0.0	
									0.0	
				18	R5	MACROCORE	48	NA	0.0	
									0.0	
				19					0.0	
									0.0	
				20						

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Log of Boring **SB08** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	40 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+20.0		R6a (0-18") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry)	20					0.0	
				21					0.0	Collect SB08_21-22 at 8:15
			R6b (18-48") brown fine SAND, some medium sand, trace fine gravel, trace coarse sand (moist to wet)						0.0	
				22	R6	MACROCORE	48	NA	0.0	Water Table at about 22 feet bgs
				23					0.0	
									0.0	
				24						
			R7a (0-11") light brown fine SAND (wet)	25					0.0	
			R7b (11-35") brown fine SAND, some medium sand, trace coarse sand, trace fine gravel (wet)	26	R7	MACROCORE	35	NA	0.0	
				27					0.0	
									0.0	
				28					0.0	
			R8a (0-4") brown fine SAND (wet)	29					0.0	
			R8b (4-35") brown fine SAND, some medium sand, trace coarse sand, trace fine gravel (wet)	30	R8	MACROCORE	35	NA	0.0	
				31					0.0	
									0.0	
				32						
			R9 (0-48") brown fine SAND, some medium sand, trace coarse sand, trace fine gravel, trace silt (wet)	33					0.0	
									0.0	
				34	R9	MACROCORE	48	NA	0.0	
									0.0	
				35					0.0	
									0.0	
	+4.0			36						End of boring at 36 feet bgs. Borehole backfilled with soil cuttings to surface grade.
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB09** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 40 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/5/18 — Date Finished: 10/5/18
Drilling Equipment: Geoprobe 7822DT Drill Rig	Completion Depth: 36 ft — Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 9 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 23 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+40.0		10-inch CONCRETE slab	0						Collect SB09_0-0.5 at 9:14
	+39.2		R1a (0-10") brown-to-black fine SAND, some silt, trace fine gravel, brick (dry) [FILL]	1	R1	MACROCORE	39	NA	0.0	Collect SB09_0.5-1.5 at 9:15
			R1b (10-27") orange-brown SAND, some silt (dry) [FILL]	2					1.2 0.0 0.0	Collect SB09_2-3 at 9:18
			R1c (27-39") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry) [FILL]	3					0.0 0.0	Collect SB09_3-4 at 9:20
				4						
	+34.8		R2a (0-6") orange-brown fine SAND, some silt (dry) [FILL]	5	R2	MACROCORE	40	NA	0.0	Collect SB09_4.5-5 at 9:25 Collect SB09_5-6 at 9:27
			R2b (6-7") gray fine SAND, trace fine gravel (dry) R2c (7-40") brown medium SAND, some fine sand, trace coarse sand, trace fine gravel (dry)	6					0.0 0.0	
				7					0.0 0.0	
				8						
			R3a (0-6") brown medium SAND, trace fine sand, trace coarse sand, trace fine gravel (dry) R3b (6-42") brown fine SAND, trace medium sand, trace silt, trace coarse sand, trace fine gravel (dry)	9	R3	MACROCORE	42	NA	0.0 0.0 0.0	Collect SB09_8.5-9.5 at 9:29
				10					0.0 0.0	Collect SB09_10-11 at 9:30
				11					0.0 0.0	Collect SB09_11-12 at 9:32
				12						
			R4a (0-12") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry) R4b (12-42") brown fine SAND, trace medium sand (dry)	13	R4	MACROCORE	42	NA	0.0 0.0 0.0	Collect SB09_13-14 at 9:35
				14					0.0 0.0	
				15					0.0 0.0	
				16						
			R5a (0-4") brown fine SAND (dry) R5b (4-24") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry	17	R5	MACROCORE	40	NA	0.0 0.0	
				18					0.0 0.0	
			R5c (24-40") brown fine SAND (dry)	19					0.0 0.0	
				20						

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Log of Boring **SB09** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	40 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+20.0			20						
			R6a (0-14") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (moist) R6b (14-42") brown fine SAND (moist to wet)	21					0.0 0.0 0.0	
				22	R6	MACROCORE	42	NA	0.0 0.0	Collect SB09_22-23 at 9:40
				23 ▽					0.0 0.0	Water Table at about 23 feet bgs
			R7a (0-12") brown fine SAND (wet)	24					0.0	
			R7b (12-24") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (wet)	25					0.0 0.0	
			R7c (24-32") brown medium SAND, trace fine sand, trace coarse sand, trace fine gravel (wet) R7d (32-48") brown fine SAND, trace coarse sand, trace fine gravel (wet)	26	R7	MACROCORE	48	NA	0.0 0.0	
				27					0.0 0.0	
			R8 (0-48") brown fine SAND, some medium trace coarse sand, trace fine gravel (wet)	28					0.0	
				29					0.0 0.0	
				30	R8	MACROCORE	48	NA	0.0 0.0	
				31					0.0 0.0	
			R9 (0-48") brown fine SAND, trace medium sand, trace silt (wet)	32					0.0	
				33					0.0 0.0	
				34	R9	MACROCORE	48	NA	0.0 0.0	
				35					0.0 0.0	
	+4.0			36						End of boring at 36 feet bgs. Borehole backfilled with soil cuttings to surface grade.
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB10** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 43.22 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/4/18 — Date Finished: 10/4/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 35 ft — Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 8 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 23.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+43.2		R1a (0-36") brown to reddish-brown medium SAND, some fine sand, trace coarse sand, trace fine gravel (moist) [FILL]	0	R1	MACROCORE	42	NA	0.0	Collect SB10_0-1 at 11:00
				1					0.4	Collect SB10_1-2 at 11:04
				2					0.0	Collect SB10_2-3 at 11:04
			R1b (36-42") brown fine SAND (moist) [FILL]	3					0.0	
				4					0.0	
			R2a (0-13") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (moist) [FILL]	5	R2	MACROCORE	55	NA	0.0	
				6					0.0	Collect SB10_6-7 at 11:08
			R2b (13-39") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (moist) [FILL]	7					0.0	Collect SB10_7-8 at 11:07
				8					0.0	
	+34.6								0.0	Collect SB10_8.5-9.5 at 11:10
	+33.9		R2c (39-47") brown SILT (moist)	9					0.0	
			R2d (47-55") brown fine SAND, trace coarse sand, trace fine gravel (dry)	10					0.0	
				11						
			R3a (0-8") brown fine SAND, trace medium sand, trace coarse sand (moist)	12	R3	MACROCORE	41	NA	0.0	Collect SB10_12-13 at 11:11
			R3b (8-37") tan to gray fine SAND (dry)	13					0.0	
				14					0.0	Collect SB10_14-15 at 11:16
			R3c (37-41") tan fine SAND, some silt, trace medium sand (dry)	15					0.0	
				16						
			R4a (0-14") brown fine SAND, trace coarse sand, trace fine gravel (moist)	17	R4	MACROCORE	42	NA	0.0	
			R4b (14-42") tan fine SAND (dry)	18					0.0	
				19					0.0	
				20					0.0	

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Log of Boring **SB10** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	43.22 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+23.2			20						
			R5a (0-33") fine SAND (dry)	21					0.0	
									0.0	
				22					0.0	
					R5	MACROCORE	49	NA	0.0	
				23					0.0	
									0.0	Water Table at about 23.5 feet bgs
			R5b (33-49") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (wet)	24					0.0	
									0.0	Collect SB10_24-25 at 11:30
				25						
			R6a (0-30") brown medium SAND, trace fine sand, trace coarse sand, trace fine gravel (wet)	26					0.0	
									0.0	
				27					0.0	
					R6	MACROCORE	50	NA	0.0	
				28					0.0	
			R6b (30-50") brown fine SAND, trace medium sand (wet)						0.0	
				29					0.0	
									0.0	
				30						
			R7a (0-8") brown fine SAND (wet)	31					0.0	
									0.0	
			R7b (8-50") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (wet)	32					0.0	
					R7	MACROCORE	50	NA	0.0	
				33					0.0	
									0.0	
				34					0.0	
									0.0	
	+8.2			35						End of boring at 35 feet bgs. Monitoring well MW10 installed in borehole. See Monitoring Well Construction Log for details.
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB11** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 40 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 9/27/18 — Date Finished: 9/27/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 35 ft — Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 7 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 22.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Seickel
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Luke McCartney
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+40.0			0						
	+39.9		1-inch CONCRETE slab							Collect SB11_0-1 at 9:00
			R1a (0-12") firm dark brown to black CLAY, some fine sand, fine gravel, ceramics, glass (moist) [FILL]	1					0.0	
			R1b (12-40") stiff reddish-brown CLAY (moist) [FILL]						0.0	
				2					0.0	
					R1	MACROCORE	57	NA	0.0	
				3					0.0	
			R1c (40-57") reddish-brown fine SAND, trace silt, trace clay (moist) [FILL]						0.0	
				4					0.0	
									0.0	
				5						
				6					0.0	
			R2a (0-15") stiff reddish-brown to black CLAY, trace fine gravel (moist) [FILL]	7					0.0	Collect SB11_6.5-7.5, SBDUP01_092718, MS_SS01_092718 and MSD_SS01_092718 at 9:15
					R2	MACROCORE	38	NA	1.7	
	+32.0		R2b (15-38") reddish-brown fine SAND, trace fine gravel (dry)	8					0.0	
									0.0	
				9					0.0	
									0.0	
				10						
				11						
				12						
					R3	MACROCORE	27	NA	0.0	
			R3a (0-19") tan fine SAND, trace coarse sand (dry)	13					0.0	
									0.0	
				14					0.0	
			R3b (19-27") reddish-brown clayey fine SAND, some silt (moist)						0.0	
				15						
				16						
									0.0	
			R4a (0-6") reddish-brown clayey fine SAND, some silt (moist)						0.0	
			R4b (6-14") reddish-brown fine SAND (moist)	17					0.0	
			R4c (14-18") reddish-brown clayey fine SAND, trace coarse gravel (moist)		R4	MACROCORE	44	NA	0.0	
			R4d (18-37") tan fine SAND (moist)	18					0.0	
									0.0	
				19					0.0	
			R4e (37-41") reddish-brown silty fine SAND (moist)						0.0	
				20						

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Log of Boring **SB11** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	40 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+20.0		R4f (41-44") tan fine SAND, 1-2-inch clay lenses (moist)	20						
				21					0.0	
			R5a (0-22") tan fine SAND, trace coarse sand, trace fine gravel (moist to wet)						0.0	
				22					0.0	Collect SB11_22-23 at 9:35
			▽		R5	MACROCORE	44	NA	0.0	Water Table at about 22.5 feet bgs
			R5b (22-44") olive-brown silty SAND, trace clay (wet)	23					0.0	
									0.0	
				24					0.0	
									0.0	
				25					0.0	
				26						
			R6a (0-22") olive-brown silty fine SAND (wet)	27					0.0	
					R6	MACROCORE	36	NA	0.0	
				28					0.0	
									0.0	
			R6b (22-36") pinkish-gray fine SAND, trace clay (wet)	29					0.0	
									0.0	
			R7a (0-35") pinkish-gray fine SAND (wet)	30					0.0	
									0.0	
				31					0.0	
									0.0	
				32					0.0	
					R7	MACROCORE	60	NA	0.0	
			R7b (35-47") olive-brown silty fine SAND, trace clay (wet)	33					0.0	
									0.0	
			R7c (47-60") olive-brown fine SAND, trace silt (wet)	34					0.0	
									0.0	
	+5.0			35						End of boring at 35 feet bgs. Borehole backfilled with soil cuttings and capped with concrete to surface grade.
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB12** Sheet 1 of 2

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 40 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 9/26/18 / Date Finished: 9/26/18
Drilling Equipment: Geoprobe 6610DT Drill Rig	Completion Depth: 32 ft / Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 8 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 22 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Thomas Seickel
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Luke McCartney
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+40.0			0						
	+39.5		6-inch CONCRETE slab							Collect SB12_0-2 at 10:00
			R1 (0-36") light brown fine SAND, trace medium sand, trace fine gravel (moist) [FILL]	1						
	+38.5			2	R1	MACROCORE	36	NA		Collect SB12_2-4 at 10:05
				3						
				4						
	+34.8			5						
			R2 (0-33") tan fine SAND, trace coarse sand (dry to moist)	6	R2	MACROCORE	33	NA		
				7						Collect SB12_7-8 at 10:10
				8						
			R3a (0-8") brown fine SAND, trace coarse sand (moist)	9						
			R3b (8-14") brown fine SAND, some silt (moist)	10	R3	MACROCORE	35	NA		
			R3c (14-22") brown fine SAND, some medium sand, trace coarse sand (moist)							
	+29.1			11						
	+29.0		R3d (22-23") soft brown clayey SILT (moist)							
			R3e (23-35") brown fine SAND (moist)	12						
			R4 (0-39") tan fine SAND (moist)	13						Collect SB12_13-14 at 10:25
				14	R4	MACROCORE	39	NA		
				15						
				16						
			R5 (0-39") brown fine SAND (moist)	17						
				18	R5	MACROCORE	39	NA		
				19						
				20						

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Log of Boring **SB12** Sheet 2 of 2

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	40 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+20.0			20						
				21						Collect SB12_21-23 at 11:00
			R6a (0-8") brown fine SAND (moist)							
			R6b (8-16") brown fine SAND, some silt (wet)	22	R6	MACROCORE	32	NA		Water Table at about 22 feet bgs
			R6c (16-32") brown fine SAND, trace silt (wet)	23						
				24						
			R7a (0-14") brown fine SAND, trace silt, trace fine gravel (wet)	25						
	+13.8		R7b (24-29") very stiff brown clayey SILT (moist)	26	R7	MACROCORE	35	NA		
			R7c (24-29") very stiff brown clayey SILT (moist)	27						
	+12.5		R7d (29-35") brown fine SAND (wet)	28						
				29						
			R8a (0-10") brown fine SAND, some silt (wet)							
			R8b (10-14") brown silty fine SAND, trace clay (wet)	30	R8	MACROCORE	33	NA		
			R8c (14-27") brown fine SAND (wet)	31						
			R8d (27-29") stiff brown fine SAND, some silt, trace clay (wet)							
	+8.0		R8e (29-33") brown fine SAND (wet)	32						End of boring at 32 feet bgs. Borehole backfilled with soil cuttings to surface grade.
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

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Log of Boring **SB13** Sheet 1 of 3

Project: 37-11 30th Street	Project No.: 170512301
Location: Long Island City, NY	Elevation and Datum: 44.02 NAVD88 (top of casing)
Drilling Company: AARCO Environmental Services, Inc.	Date Started: 10/2/18 / Date Finished: 10/3/18
Drilling Equipment: Geoprobe 8140LC Sonic Drill Rig	Completion Depth: 72 ft / Rock Depth: N/A
Size and Type of Bit: 4.5-inch inside diameter sonic bit	Number of Samples: Disturbed 15, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 28.5, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Dalbi Pacheco
Sampler: 4.5-inch inside diameter by 60-inch long dual tube	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+44.0			0						
	+43.9		1-inch CONCRETE slab						0.0	Collect SB13_0-1 at 11:58
			R1a (0-20") brown to reddish-brown fine SAND, some silt, trace clay, brick (moist) [FILL]	1					0.0	
									0.0	Collect SB13_1-2 at 12:00
			R1b (20-31") brown fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry) [FILL]	2					0.0	
					R1	MACROCORE	39	NA	0.0	Collect SB13_2-3 at 12:02
			R1c (31-39") light brown to gray fine SAND, trace medium sand, trace coarse sand, trace fine gravel (dry) [FILL]	3					0.0	
									0.0	
				4						
				5						Collect SB13_5-6 at 12:10
				6						
			R2a (0-18") brown fine SAND, some silt, trace fine gravel (dry) [FILL]						0.0	Collect SB13_6.5-7.5 at 12:10
			R2b (18-21") gray to black fine SAND, trace clay, trace silt, trace coarse sand, trace fine gravel (dry) [FILL]	7					0.0	
	+35.8				R2	MACROCORE	42	NA	1.2	
			R2c (21-32") tan to gray fine SAND, trace fine gravel, trace coarse sand (dry)	8					0.3	Collect SB13_8-9 at 12:13
									0.0	
			R2d (32-42") tan fine SAND, trace coarse sand (dry)	9					0.0	Collect SB13_9-10 at 12:14
									0.0	
				10					0.0	
				11						
				12						Collect SB13_12-13 at 12:25
			R3a (0-8") tan fine SAND, trace coarse sand, trace fine gravel (dry)						0.0	
			R3b (8-32") tan fine SAND (dry)	13					0.0	
					R3	MACROCORE	32	NA	0.0	
				14					0.0	Collect SB13_14-15 at 12:30
									0.0	
				15						
				16						
				17						
			R4a (0-15") light brown fine SAND, trace coarse sand, trace fine gravel (dry)						0.0	
				18					0.0	
			R4b (15-35") dark gray fine SAND (dry)						0.0	
				19	R4	MACROCORE	35	NA	0.0	
									0.0	
				20						
				21						
			R5a (0-10") brown fine SAND, trace silt, trace fine gravel, trace coarse sand (moist)		R5	MACROCORE	45		0.0	
				22						

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Log of Boring **SB13** Sheet 2 of 3

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	44.02 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+22.0		R5b (10-13") brown fine gravel (moist) R5c (13-25") brown fine SAND, trace coarse sand, trace fine gravel (dry) R5d (25-45") tan fine SAND (dry)	22	R5	MACROCORE	45	NA	0.0 0.0 0.0 0.0 0.0 0.0	
			R6a (0-15") fine SAND (dry) R6b (15-34") brown fine SAND, trace medium sand, trace coarse sand (wet)	27 28 29 30	R6	MACROCORE	34	NA	0.0 0.0 0.0 0.0 0.0	Collect SB13_28-29 at 13:00 Water Table at about 28.5 feet bgs
			R7 (0-52") brown fine SAND, trace medium sand (wet)	31 32 33 34 35	R7	MACROCORE	52	NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
			R8 (0-48") brown fine SAND, some medium sand, trace coarse sand, trace fine gravel (wet)	36 37 38 39 40	R8	MACROCORE	48	NA	0.2 0.7 0.0 0.0 0.0 0.0 0.0 0.0	
			R9 (0-60") brown fine SAND, trace coarse sand, trace medium sand, trace fine gravel (wet)	41 42 43 44 45	R9	MACROCORE	60	NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0	
			R10 (0-34") brown fine SAND (wet)	46 47 48 49	R10	MACROCORE	34	NA	0.0 0.0 0.0 0.0	

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Log of Boring **SB13** Sheet 3 of 3

Project	Project No.
37-11 30th Street	170512301
Location	**Elevation and Datum**
Long Island City, NY	44.02 NAVD88 (top of casing)

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-5.5			49.5					0.0	
				50			34			
			R11 (0-47") brown fine SAND (wet)	51					0.0	
				52	R11	MACROCORE	47	NA	0.0	
				53					0.0	
				54					0.0	
				55					0.0	
			R12a (0-10") brown fine SAND (wet)						0.0	
			R12b (10-45") gray to olive fine SAND, trace fine to medium gravel, trace clay, trace silt (wet)	56					0.0	
				57	R12	MACROCORE	60	NA	0.0	
				58					0.0	
			R12c (45-60") gray to olive fine SAND, trace fine to medium gravel, trace clay, trace silt (wet)	59					0.0	
				60					0.0	
			R13a (0-10") gray to olive fine SAND, some medium sand, trace silt (wet)	61					0.0	
			R13b (10-28") gray to olive fine SAND, some medium sand, trace fine to medium gravel, trace silt, trace clay (wet)	62	R13	MACROCORE	48	NA	0.0	
			R13c (28-48") gray to olive fine SAND, some medium to coarse sand, some fine to medium gravel, trace silt (wet)	63					0.0	
				64					0.0	
				65					0.0	
			R14a (0-20") brown fine SAND, trace fine gravel, trace medium to coarse sand (wet)	66					0.0	
				67					0.0	
			R14b (20-40") gray to olive fine SAND, trace fine gravel, trace medium to coarse sand, trace clay, trace silt (wet)	68	R14	MACROCORE	52	NA	0.0	Collect SB13_68-69 at 13:40
	-25.0								0.0	
	-25.3		R14c (40-44") rock fragments	69					0.0	
	-25.6		R14d (44-48") brown fine SAND, trace silt, trace coarse sand, trace fine gravel (wet)	70					0.0	
			R14e (48-52") rock fragments							
				71	R15	MACROCORE	2	NA	0.0	Possible weathered rock
	-28.0		R15 (0-2") rock fragments	72					0.0	End of boring at 72 feet bgs. Monitoring well MW13A installed in borehole. See Monitoring Well Construction Log for details.
				73						
				74						
				75						
				76						
				77						

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ATTACHMENT 2
LABORATORY ANALYTICAL REPORTS

LANGAN

ANALYTICAL REPORT

Lab Number:	L1839662
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	10/26/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1839662-01	SB13_1-2	SOIL	QUEENS, NY	10/02/18 12:00	10/02/18
L1839662-02	SB03_8-9	SOIL	QUEENS, NY	10/02/18 09:44	10/02/18
L1839662-03	SB03_13-14	SOIL	QUEENS, NY	10/02/18 09:52	10/02/18
L1839662-04	SB03_0.5-1.5	SOIL	QUEENS, NY	10/02/18 09:20	10/02/18
L1839662-05	SB03_3-4	SOIL	QUEENS, NY	10/02/18 09:25	10/02/18
L1839662-06	SB03_5-6	SOIL	QUEENS, NY	10/02/18 09:42	10/02/18
L1839662-07	SB03_7-8	SOIL	QUEENS, NY	10/02/18 09:43	10/02/18
L1839662-08	SB03_8-9	SOIL	QUEENS, NY	10/02/18 09:44	10/02/18
L1839662-09	SB03_9-10	SOIL	QUEENS, NY	10/02/18 09:45	10/02/18
L1839662-10	SB03_10-11	SOIL	QUEENS, NY	10/02/18 09:50	10/02/18
L1839662-11	SB03_11-12	SOIL	QUEENS, NY	10/02/18 09:51	10/02/18
L1839662-12	SB03_13-14	SOIL	QUEENS, NY	10/02/18 09:52	10/02/18
L1839662-13	SB13_2-3	SOIL	QUEENS, NY	10/02/18 12:02	10/02/18
L1839662-14	SB13_5-6	SOIL	QUEENS, NY	10/02/18 12:10	10/02/18
L1839662-15	SB13_8-9	SOIL	QUEENS, NY	10/02/18 12:13	10/02/18
L1839662-16	SB13_9-10	SOIL	QUEENS, NY	10/02/18 12:14	10/02/18
L1839662-17	SB13_12-13	SOIL	QUEENS, NY	10/02/18 12:25	10/02/18
L1839662-18	SB13_14-15	SOIL	QUEENS, NY	10/02/18 12:30	10/02/18
L1839662-19	TRIPBLANK04_100218	WATER	QUEENS, NY	10/02/18 15:10	10/02/18
L1839662-20	WC04_COMP_0-6	SOIL	QUEENS, NY	10/02/18 11:37	10/02/18
L1839662-21	WC04_COMP_6-10	SOIL	QUEENS, NY	10/02/18 11:55	10/02/18
L1839662-22	WC04_COMP_10-15	SOIL	QUEENS, NY	10/02/18 12:10	10/02/18

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

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:	37-11 30TH STREET	**Lab Number:**	L1839662
Project Number:	170512301	**Report Date:**	10/26/18

Case Narrative (continued)

Report Submission

October 26, 2018: This final report includes the results of all requested analyses.

October 19, 2018: This preliminary report includes the results of the TCLP Chromium analysis performed on L1839662-04, -05 and -06.

October 09, 2018: This is a preliminary report.

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

Sample Receipt

L1839662-20, -21 and -22: The Client ID was specified by the client.

NJ EPH (Total)

The WG1164445-4 MS was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

Total Metals

L1839662-20, -21 and -22: 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.

Cyanide, Total

The WG1163541-2/-3 LCS/LCSD recoveries (70%/63%), associated with L1839662-20 through -22, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/26/18

ORGANICS

VOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-01
Client ID: SB13_1-2
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:00
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/06/18 02:17
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-01 Date Collected: 10/02/18 12:00

Client ID: SB13_1-2 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	11		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1
Tert-Butyl Alcohol	ND		ug/kg	19	4.9	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-01 Date Collected: 10/02/18 12:00

Client ID: SB13_1-2 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.8	0.90	1
Acrolein	ND		ug/kg	24	5.3	1
Cyclohexane	ND		ug/kg	9.5	0.52	1
1,4-Dioxane	ND		ug/kg	95	33.	1
Freon-113	ND		ug/kg	3.8	0.66	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.3	1
Methyl cyclohexane	ND		ug/kg	3.8	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	100		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-02
Client ID: SB03_8-9
Sample Location: QUEENS, NY

Date Collected: 10/02/18 09:44
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/06/18 02:43
Analyst: MKS
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-02 Date Collected: 10/02/18 09:44

Client ID: SB03_8-9 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1
Tert-Butyl Alcohol	ND		ug/kg	18	4.7	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-02 Date Collected: 10/02/18 09:44

Client ID: SB03_8-9 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Acrolein	ND		ug/kg	23	5.2	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
1,4-Dioxane	ND		ug/kg	92	32.	1
Freon-113	ND		ug/kg	3.7	0.64	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-03
Client ID: SB03_13-14
Sample Location: QUEENS, NY

Date Collected: 10/02/18 09:52
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/06/18 15:42
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-03 Date Collected: 10/02/18 09:52

Client ID: SB03_13-14 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1
Tert-Butyl Alcohol	ND		ug/kg	19	4.8	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-03 Date Collected: 10/02/18 09:52

Client ID: SB03_13-14 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.89	1
Acrolein	ND		ug/kg	23	5.3	1
Cyclohexane	ND		ug/kg	9.4	0.51	1
1,4-Dioxane	ND		ug/kg	94	33.	1
Freon-113	ND		ug/kg	3.7	0.65	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-19
Client ID: TRIPBLANK04_100218
Sample Location: QUEENS, NY

Date Collected: 10/02/18 15:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/08/18 12:07
Analyst: PD

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

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-19 Date Collected: 10/02/18 15:10

Client ID: TRIPBLANK04_100218 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	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

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-19
Client ID: TRIPBLANK04_100218
Sample Location: QUEENS, NY
Date Collected: 10/02/18 15:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	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
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/18 18:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1165320-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/18 18:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1165320-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/18 18:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1165320-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/18 18:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1165320-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/06/18 13:59
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1165441-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/06/18 13:59
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1165441-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/06/18 13:59
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1165441-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/06/18 13:59
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1165441-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/18 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG1165571-5					
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	0.93	J	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: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/18 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG1165571-5					
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
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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
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

Project Name: 37-11 30TH STREET
Project Number: 170512301

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/18 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG1165571-5					
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/18 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG1165571-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

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Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1165320-3 WG1165320-4								
Methylene chloride	88		87		70-130	1		30
1,1-Dichloroethane	99		98		70-130	1		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	103		102		70-130	1		30
1,2-Dichloropropane	104		102		70-130	2		30
Dibromochloromethane	104		102		70-130	2		30
1,1,2-Trichloroethane	108		107		70-130	1		30
Tetrachloroethene	105		105		70-130	0		30
Chlorobenzene	100		99		70-130	1		30
Trichlorofluoromethane	103		102		70-139	1		30
1,2-Dichloroethane	98		96		70-130	2		30
1,1,1-Trichloroethane	101		100		70-130	1		30
Bromodichloromethane	104		103		70-130	1		30
trans-1,3-Dichloropropene	96		96		70-130	0		30
cis-1,3-Dichloropropene	102		102		70-130	0		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		104		70-130	1		30
1,1,2,2-Tetrachloroethane	108		108		70-130	0		30
Benzene	100		98		70-130	2		30
Toluene	100		100		70-130	0		30
Ethylbenzene	100		98		70-130	2		30
Chloromethane	100		96		52-130	4		30
Bromomethane	98		98		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1165320-3 WG1165320-4								
Vinyl chloride	102		99		67-130	3		30
Chloroethane	102		101		50-151	1		30
1,1-Dichloroethene	98		97		65-135	1		30
trans-1,2-Dichloroethene	98		96		70-130	2		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	101		102		70-130	1		30
1,3-Dichlorobenzene	102		100		70-130	2		30
1,4-Dichlorobenzene	102		102		70-130	0		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	98		97		70-130	1		30
cis-1,2-Dichloroethene	98		97		70-130	1		30
Dibromomethane	104		102		70-130	2		30
Styrene	97		96		70-130	1		30
Dichlorodifluoromethane	107		103		30-146	4		30
Acetone	79		80		54-140	1		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	73		70		70-130	4		30
Vinyl acetate	76		78		70-130	3		30
4-Methyl-2-pentanone	82		83		70-130	1		30
1,2,3-Trichloropropane	104		104		68-130	0		30
2-Hexanone	81		81		70-130	0		30
Bromochloromethane	107		103		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1165320-3 WG1165320-4								
2,2-Dichloropropane	103		100		70-130	3		30
1,2-Dibromoethane	105		105		70-130	0		30
1,3-Dichloropropane	103		103		69-130	0		30
1,1,1,2-Tetrachloroethane	104		104		70-130	0		30
Bromobenzene	99		100		70-130	1		30
n-Butylbenzene	108		107		70-130	1		30
sec-Butylbenzene	105		104		70-130	1		30
tert-Butylbenzene	99		99		70-130	0		30
o-Chlorotoluene	101		101		70-130	0		30
p-Chlorotoluene	99		97		70-130	2		30
1,2-Dibromo-3-chloropropane	89		93		68-130	4		30
Hexachlorobutadiene	101		100		67-130	1		30
Isopropylbenzene	99		100		70-130	1		30
p-Isopropyltoluene	100		100		70-130	0		30
Naphthalene	87		90		70-130	3		30
Acrylonitrile	88		87		70-130	1		30
Tert-Butyl Alcohol	86		84		70-130	2		30
n-Propylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	95		96		70-130	1		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	100		100		70-130	0		30
1,2,4-Trimethylbenzene	98		98		70-130	0		30
Methyl Acetate	90		93		51-146	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

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Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1165320-3 WG1165320-4								
Acrolein	**68**	Q	**69**	Q	70-130	1		30
Cyclohexane	101		100		59-142	1		30
1,4-Dioxane	81		83		65-136	2		30
Freon-113	92		92		50-139	0		30
p-Diethylbenzene	95		94		70-130	1		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	88		87		70-130	1		30
Ethyl ether	92		90		67-130	2		30
trans-1,4-Dichloro-2-butene	95		95		70-130	0		30
Methyl cyclohexane	103		101		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1165441-3 WG1165441-4								
Methylene chloride	84		82		70-130	2		30
1,1-Dichloroethane	86		83		70-130	4		30
Chloroform	88		86		70-130	2		30
Carbon tetrachloride	94		91		70-130	3		30
1,2-Dichloropropane	87		85		70-130	2		30
Dibromochloromethane	92		91		70-130	1		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	97		94		70-130	3		30
Chlorobenzene	88		86		70-130	2		30
Trichlorofluoromethane	99		95		70-139	4		30
1,2-Dichloroethane	84		82		70-130	2		30
1,1,1-Trichloroethane	92		90		70-130	2		30
Bromodichloromethane	91		86		70-130	6		30
trans-1,3-Dichloropropene	85		83		70-130	2		30
cis-1,3-Dichloropropene	89		88		70-130	1		30
1,1-Dichloropropene	90		87		70-130	3		30
Bromoform	93		93		70-130	0		30
1,1,2,2-Tetrachloroethane	92		92		70-130	0		30
Benzene	86		83		70-130	4		30
Toluene	89		87		70-130	2		30
Ethylbenzene	87		85		70-130	2		30
Chloromethane	80		74		52-130	8		30
Bromomethane	92		89		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

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Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1165441-3 WG1165441-4								
Vinyl chloride	84		79		67-130	6		30
Chloroethane	88		84		50-151	5		30
1,1-Dichloroethene	93		90		65-135	3		30
trans-1,2-Dichloroethene	89		86		70-130	3		30
Trichloroethene	92		89		70-130	3		30
1,2-Dichlorobenzene	90		89		70-130	1		30
1,3-Dichlorobenzene	89		88		70-130	1		30
1,4-Dichlorobenzene	90		88		70-130	2		30
Methyl tert butyl ether	81		79		66-130	3		30
p/m-Xylene	89		86		70-130	3		30
o-Xylene	86		84		70-130	2		30
cis-1,2-Dichloroethene	88		85		70-130	3		30
Dibromomethane	91		89		70-130	2		30
Styrene	83		81		70-130	2		30
Dichlorodifluoromethane	94		89		30-146	5		30
Acetone	69		64		54-140	8		30
Carbon disulfide	85		82		59-130	4		30
2-Butanone	**60**	Q	**60**	Q	70-130	0		30
Vinyl acetate	**64**	Q	**64**	Q	70-130	0		30
4-Methyl-2-pentanone	72		71		70-130	1		30
1,2,3-Trichloropropane	89		89		68-130	0		30
2-Hexanone	**69**	Q	**67**	Q	70-130	3		30
Bromochloromethane	95		92		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

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Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1165441-3 WG1165441-4								
2,2-Dichloropropane	94		90		70-130	4		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	89		87		69-130	2		30
1,1,1,2-Tetrachloroethane	93		91		70-130	2		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	93		91		70-130	2		30
sec-Butylbenzene	93		90		70-130	3		30
tert-Butylbenzene	89		87		70-130	2		30
o-Chlorotoluene	89		87		70-130	2		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	83		82		68-130	1		30
Hexachlorobutadiene	89		86		67-130	3		30
Isopropylbenzene	90		88		70-130	2		30
p-Isopropyltoluene	90		88		70-130	2		30
Naphthalene	81		81		70-130	0		30
Acrylonitrile	72		73		70-130	1		30
Tert-Butyl Alcohol	77		78		70-130	1		30
n-Propylbenzene	91		87		70-130	4		30
1,2,3-Trichlorobenzene	87		84		70-130	4		30
1,2,4-Trichlorobenzene	88		86		70-130	2		30
1,3,5-Trimethylbenzene	89		86		70-130	3		30
1,2,4-Trimethylbenzene	87		85		70-130	2		30
Methyl Acetate	74		73		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1165441-3 WG1165441-4								
Acrolein	**60**	Q	**58**	Q	70-130	3		30
Cyclohexane	87		84		59-142	4		30
1,4-Dioxane	80		83		65-136	4		30
Freon-113	88		86		50-139	2		30
p-Diethylbenzene	85		82		70-130	4		30
p-Ethyltoluene	85		83		70-130	2		30
1,2,4,5-Tetramethylbenzene	79		77		70-130	3		30
Ethyl ether	84		81		67-130	4		30
trans-1,4-Dichloro-2-butene	80		78		70-130	3		30
Methyl cyclohexane	90		88		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		93		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG1165571-3 WG1165571-4								
Methylene chloride	95		99		70-130	4		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	97		97		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	89		90		63-130	1		20
1,1,2-Trichloroethane	94		97		70-130	3		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	88		92		62-150	4		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	95		94		70-130	1		20
cis-1,3-Dichloropropene	97		97		70-130	0		20
1,1-Dichloropropene	98		95		70-130	3		20
Bromoform	71		70		54-136	1		20
1,1,2,2-Tetrachloroethane	94		92		67-130	2		20
Benzene	100		99		70-130	1		20
Toluene	99		100		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	68		65		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG1165571-3 WG1165571-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	88		85		61-145	3		20
trans-1,2-Dichloroethene	95		93		70-130	2		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	98		96		70-130	2		20
1,4-Dichlorobenzene	97		95		70-130	2		20
Methyl tert butyl ether	89		90		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Dibromomethane	98		99		70-130	1		20
1,2,3-Trichloropropane	92		90		64-130	2		20
Acrylonitrile	100		98		70-130	2		20
Tert-Butyl Alcohol	92		98		70-130	6		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	98		100		36-147	2		20
Acetone	110		100		58-148	10		20
Carbon disulfide	91		88		51-130	3		20
2-Butanone	100		100		63-138	0		20
Vinyl acetate	120		110		70-130	9		20
4-Methyl-2-pentanone	92		92		59-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG1165571-3 WG1165571-4								
2-Hexanone	100		97		57-130	3		20
Acrolein	100		98		40-160	2		20
Bromochloromethane	95		95		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	88		89		70-130	1		20
1,3-Dichloropropane	97		97		70-130	0		20
1,1,1,2-Tetrachloroethane	97		98		64-130	1		20
Bromobenzene	98		96		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	66		70		41-144	6		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	70		75		70-130	7		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	73		73		70-130	0		20
1,2,4-Trichlorobenzene	86		89		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG1165571-3 WG1165571-4								
Methyl Acetate	110		100		70-130	10		20
Cyclohexane	99		99		70-130	0		20
1,4-Dioxane	72		84		56-162	15		20
Freon-113	90		92		70-130	2		20
p-Diethylbenzene	100		100		70-130	0		20
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	94		96		70-130	2		20
Ethyl ether	90		92		59-134	2		20
trans-1,4-Dichloro-2-butene	89		83		70-130	7		20
Methyl cyclohexane	91		91		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	104		102		70-130
Dibromofluoromethane	102		107		70-130

SEMIVOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/07/18 21:20
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Benzidine	ND		ug/kg	610	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	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	32.	1
Azobenzene	ND		ug/kg	180	18.	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	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	160	J	ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20 Date Collected: 10/02/18 11:37

Client ID: WC04_COMP_0-6 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
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	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	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	23.	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	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	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
n-Nitrosodimethylamine	ND		ug/kg	370	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20 Date Collected: 10/02/18 11:37

Client ID: WC04_COMP_0-6 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	31		10-136
4-Terphenyl-d14	63		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/07/18 20:04
Analyst: JG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	560	180	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
Azobenzene	ND		ug/kg	170	16.	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	20.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21 Date Collected: 10/02/18 11:55

Client ID: WC04_COMP_6-10 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
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
n-Nitrosodimethylamine	ND		ug/kg	340	33.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21 Date Collected: 10/02/18 11:55

Client ID: WC04_COMP_6-10 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
Atrazine	ND		ug/kg	140	60.	1
Benzaldehyde	ND		ug/kg	230	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	82		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/07/18 20:29
Analyst: JG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Benzidine	ND		ug/kg	630	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	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
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	ND		ug/kg	120	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	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	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	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22 Date Collected: 10/02/18 12:10

Client ID: WC04_COMP_10-15 Date Received: 10/02/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	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
n-Nitrosodimethylamine	ND		ug/kg	380	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	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

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	67		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/07/18 14:54
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 10/04/18 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20-22 Batch: WG1164229-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
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.
Azobenzene	ND		ug/kg	160	16.
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	470	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.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/07/18 14:54
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 10/04/18 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20-22 Batch: WG1164229-1					
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
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.
n-Nitrosodimethylamine	ND		ug/kg	320	31.
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.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/07/18 14:54
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 10/04/18 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20-22 Batch: WG1164229-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
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	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
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.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-22 Batch: WG1164229-2 WG1164229-3								
Acenaphthene	78		79		31-137	1		50
Benzidine	34		30		10-66	13		50
1,2,4-Trichlorobenzene	76		76		38-107	0		50
Hexachlorobenzene	78		83		40-140	6		50
Bis(2-chloroethyl)ether	78		78		40-140	0		50
2-Chloronaphthalene	78		79		40-140	1		50
1,2-Dichlorobenzene	74		74		40-140	0		50
1,3-Dichlorobenzene	72		71		40-140	1		50
1,4-Dichlorobenzene	72		73		28-104	1		50
3,3'-Dichlorobenzidine	67		67		40-140	0		50
2,4-Dinitrotoluene	78		82		40-132	5		50
2,6-Dinitrotoluene	79		81		40-140	3		50
Azobenzene	83		86		40-140	4		50
Fluoranthene	78		83		40-140	6		50
4-Chlorophenyl phenyl ether	76		79		40-140	4		50
4-Bromophenyl phenyl ether	80		83		40-140	4		50
Bis(2-chloroisopropyl)ether	95		94		40-140	1		50
Bis(2-chloroethoxy)methane	80		80		40-117	0		50
Hexachlorobutadiene	78		77		40-140	1		50
Hexachlorocyclopentadiene	87		86		40-140	1		50
Hexachloroethane	78		76		40-140	3		50
Isophorone	82		82		40-140	0		50
Naphthalene	78		77		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-22 Batch: WG1164229-2 WG1164229-3								
Nitrobenzene	80		81		40-140	1		50
NDPA/DPA	76		81		36-157	6		50
n-Nitrosodi-n-propylamine	84		83		32-121	1		50
Bis(2-ethylhexyl)phthalate	81		86		40-140	6		50
Butyl benzyl phthalate	84		90		40-140	7		50
Di-n-butylphthalate	82		86		40-140	5		50
Di-n-octylphthalate	84		88		40-140	5		50
Diethyl phthalate	79		83		40-140	5		50
Dimethyl phthalate	79		81		40-140	3		50
Benzo(a)anthracene	76		80		40-140	5		50
Benzo(a)pyrene	81		84		40-140	4		50
Benzo(b)fluoranthene	78		79		40-140	1		50
Benzo(k)fluoranthene	78		86		40-140	10		50
Chrysene	82		85		40-140	4		50
Acenaphthylene	80		80		40-140	0		50
Anthracene	81		85		40-140	5		50
Benzo(ghi)perylene	77		80		40-140	4		50
Fluorene	76		79		40-140	4		50
Phenanthrene	78		80		40-140	3		50
Dibenzo(a,h)anthracene	77		80		40-140	4		50
Indeno(1,2,3-cd)pyrene	72		75		40-140	4		50
Pyrene	79		84		35-142	6		50
Biphenyl	81		82		54-104	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-22 Batch: WG1164229-2 WG1164229-3								
4-Chloroaniline	82		82		40-140	0		50
2-Nitroaniline	81		83		47-134	2		50
3-Nitroaniline	67		69		26-129	3		50
4-Nitroaniline	73		79		41-125	8		50
Dibenzofuran	77		78		40-140	1		50
2-Methylnaphthalene	79		79		40-140	0		50
1,2,4,5-Tetrachlorobenzene	82		81		40-117	1		50
Acetophenone	80		80		14-144	0		50
n-Nitrosodimethylamine	77		76		22-100	1		50
2,4,6-Trichlorophenol	81		81		30-130	0		50
p-Chloro-m-cresol	82		84		26-103	2		50
2-Chlorophenol	79		79		25-102	0		50
2,4-Dichlorophenol	81		81		30-130	0		50
2,4-Dimethylphenol	82		82		30-130	0		50
2-Nitrophenol	80		82		30-130	2		50
4-Nitrophenol	91		99		11-114	8		50
2,4-Dinitrophenol	70		77		4-130	10		50
4,6-Dinitro-o-cresol	81		89		10-130	9		50
Pentachlorophenol	68		76		17-109	11		50
Phenol	80		80		26-90	0		50
2-Methylphenol	82		82		30-130.	0		50
3-Methylphenol/4-Methylphenol	87		86		30-130	1		50
2,4,5-Trichlorophenol	81		81		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-22 Batch: WG1164229-2 WG1164229-3								
Benzoic Acid	77		82		10-110	6		50
Benzyl Alcohol	85		84		40-140	1		50
Carbazole	77		81		54-128	5		50
Atrazine	86		94		40-140	9		50
Benzaldehyde	67		63		40-140	6		50
Caprolactam	119		121		15-130	2		50
2,3,4,6-Tetrachlorophenol	81		86		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		78		25-120
Phenol-d6	81		81		10-120
Nitrobenzene-d5	80		80		23-120
2-Fluorobiphenyl	78		77		30-120
2,4,6-Tribromophenol	80		84		10-136
4-Terphenyl-d14	76		81		18-120

PETROLEUM HYDROCARBONS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-01
Client ID: SB13_1-2
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:00
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/06/18 18:04
Analyst: SC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/05/18 14:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.5	26.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		40-140
o-Terphenyl	83		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-02
Client ID: SB03_8-9
Sample Location: QUEENS, NY

Date Collected: 10/02/18 09:44
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/06/18 18:34
Analyst: SC
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/05/18 14:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	23.7	23.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	91		40-140
o-Terphenyl	88		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-03
Client ID: SB03_13-14
Sample Location: QUEENS, NY

Date Collected: 10/02/18 09:52
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/06/18 19:04
Analyst: SC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/05/18 14:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	27.9	27.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	100		40-140
o-Terphenyl	92		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 10/06/18 17:05
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 10/05/18 00:58

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-03 Batch: WG1164445-1					
Total EPH	ND		mg/kg	22.6	22.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	83		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 Batch: WG1164445-2 WG1164445-3								
Total EPH	119		126		40-140	6		25
Nonane (C9)	86		91		40-140	6		25
Decane (C10)	99		106		40-140	7		25
Dodecane (C12)	95		102		40-140	7		25
Tetradecane (C14)	99		105		40-140	6		25
Hexadecane (C16)	107		114		40-140	6		25
Octadecane (C18)	113		120		40-140	6		25
Eicosane (C20)	113		120		40-140	6		25
Heneicosane (C21)	113		121		40-140	7		25
Docosane (C22)	113		120		40-140	6		25
Tetracosane (C24)	113		121		40-140	7		25
Hexacosane (C26)	113		121		40-140	7		25
Octacosane (C28)	112		120		40-140	7		25
Triacontane (C30)	112		120		40-140	7		25
Dotriacontane (C32)	114		121		40-140	6		25
Tetratriacontane (C34)	109		120		40-140	10		25
Hexatriacontane (C36)	110		126		40-140	14		25
Octatriacontane (C38)	108		130		40-140	18		25
Tetracontane (C40)	113		136		40-140	18		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 Batch: WG1164445-2 WG1164445-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	82		86		40-140
o-Terphenyl	82		86		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1164445-5 QC Sample: L1839780-01 Client ID: DUP Sample						
Total EPH	2500	3360	mg/kg	29		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	102		96		40-140
o-Terphenyl	93		95		40-140

PCBS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/18 10:57
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	3.21	1	A
Aroclor 1221	ND		ug/kg	36.1	3.62	1	A
Aroclor 1232	ND		ug/kg	36.1	7.66	1	A
Aroclor 1242	ND		ug/kg	36.1	4.87	1	A
Aroclor 1248	ND		ug/kg	36.1	5.42	1	A
Aroclor 1254	ND		ug/kg	36.1	3.95	1	A
Aroclor 1260	ND		ug/kg	36.1	6.67	1	A
Aroclor 1262	21.7	J	ug/kg	36.1	4.59	1	B
Aroclor 1268	ND		ug/kg	36.1	3.74	1	A
PCBs, Total	21.7	J	ug/kg	36.1	3.21	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/18 11:10
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	2.97	1	A
Aroclor 1221	ND		ug/kg	33.4	3.35	1	A
Aroclor 1232	ND		ug/kg	33.4	7.09	1	A
Aroclor 1242	ND		ug/kg	33.4	4.51	1	A
Aroclor 1248	ND		ug/kg	33.4	5.01	1	A
Aroclor 1254	ND		ug/kg	33.4	3.66	1	A
Aroclor 1260	ND		ug/kg	33.4	6.18	1	A
Aroclor 1262	ND		ug/kg	33.4	4.24	1	A
Aroclor 1268	ND		ug/kg	33.4	3.46	1	A
PCBs, Total	ND		ug/kg	33.4	2.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/18 11:23
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.7	3.43	1	A
Aroclor 1221	ND		ug/kg	38.7	3.87	1	A
Aroclor 1232	ND		ug/kg	38.7	8.20	1	A
Aroclor 1242	ND		ug/kg	38.7	5.21	1	A
Aroclor 1248	ND		ug/kg	38.7	5.80	1	A
Aroclor 1254	ND		ug/kg	38.7	4.23	1	A
Aroclor 1260	ND		ug/kg	38.7	7.15	1	A
Aroclor 1262	ND		ug/kg	38.7	4.91	1	A
Aroclor 1268	ND		ug/kg	38.7	4.01	1	A
PCBs, Total	ND		ug/kg	38.7	3.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/06/18 04:53
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 20-22 Batch: WG1164266-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.22	A
Aroclor 1232	ND		ug/kg	32.1	6.81	A
Aroclor 1242	ND		ug/kg	32.1	4.33	A
Aroclor 1248	ND		ug/kg	32.1	4.82	A
Aroclor 1254	ND		ug/kg	32.1	3.52	A
Aroclor 1260	ND		ug/kg	32.1	5.94	A
Aroclor 1262	ND		ug/kg	32.1	4.08	A
Aroclor 1268	ND		ug/kg	32.1	3.33	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 20-22 Batch: WG1164266-2 WG1164266-3									
Aroclor 1016	78		82		40-140	5		50	A
Aroclor 1260	72		78		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	72		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		84		30-150	B
Decachlorobiphenyl	83		91		30-150	B

PESTICIDES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/05/18 22:50
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:49
Cleanup Method: EPA 3620B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.341	1	A
Lindane	ND		ug/kg	0.726	0.324	1	A
Alpha-BHC	ND		ug/kg	0.726	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.660	1	A
Heptachlor	ND		ug/kg	0.871	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.613	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.980	1	A
Endrin	ND		ug/kg	0.726	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.762	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	0.699	J	ug/kg	1.09	0.544	1	A
4,4'-DDE	ND		ug/kg	1.74	0.403	1	A
4,4'-DDD	ND		ug/kg	1.74	0.621	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	0.582	1	A
Endosulfan sulfate	ND		ug/kg	0.726	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.02	1	A
Toxaphene	ND		ug/kg	32.6	9.14	1	A
cis-Chlordane	ND		ug/kg	2.18	0.606	1	A
trans-Chlordane	ND		ug/kg	2.18	0.575	1	A
Chlordane	ND		ug/kg	14.1	5.77	1	A

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY
Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	95		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/18 05:22
Analyst: SL
Percent Solids: 89%
Methylation Date: 10/06/18 08:00

Extraction Method: EPA 8151A
Extraction Date: 10/05/18 00:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.6	1	A
2,4,5-T	ND		ug/kg	185	5.73	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	91		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/05/18 23:03
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:49
Cleanup Method: EPA 3620B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.57	0.307	1	A
Lindane	ND		ug/kg	0.653	0.292	1	A
Alpha-BHC	ND		ug/kg	0.653	0.185	1	A
Beta-BHC	ND		ug/kg	1.57	0.594	1	A
Heptachlor	ND		ug/kg	0.783	0.351	1	A
Aldrin	ND		ug/kg	1.57	0.552	1	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	1	A
Endrin	ND		ug/kg	0.653	0.268	1	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	1	A
Endrin ketone	ND		ug/kg	1.57	0.403	1	A
Dieldrin	ND		ug/kg	0.979	0.490	1	A
4,4'-DDE	ND		ug/kg	1.57	0.362	1	A
4,4'-DDD	ND		ug/kg	1.57	0.559	1	A
4,4'-DDT	ND		ug/kg	2.94	1.26	1	A
Endosulfan I	ND		ug/kg	1.57	0.370	1	A
Endosulfan II	ND		ug/kg	1.57	0.523	1	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	1	A
Methoxychlor	ND		ug/kg	2.94	0.914	1	A
Toxaphene	ND		ug/kg	29.4	8.22	1	A
cis-Chlordane	ND		ug/kg	1.96	0.546	1	A
trans-Chlordane	ND		ug/kg	1.96	0.517	1	A
Chlordane	ND		ug/kg	12.7	5.19	1	A

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY
Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	104		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/18 05:42
Analyst: SL
Percent Solids: 96%
Methylation Date: 10/06/18 08:00

Extraction Method: EPA 8151A
Extraction Date: 10/05/18 00:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	10.8	1	A
2,4,5-T	ND		ug/kg	172	5.33	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	4.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	77		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/05/18 23:16
Analyst: JW
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:49
Cleanup Method: EPA 3620B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.777	0.347	1	A
Alpha-BHC	ND		ug/kg	0.777	0.221	1	A
Beta-BHC	ND		ug/kg	1.86	0.707	1	A
Heptachlor	ND		ug/kg	0.932	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.777	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.816	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.583	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.665	1	A
4,4'-DDT	ND		ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.623	1	A
Endosulfan sulfate	ND		ug/kg	0.777	0.370	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.79	1	A
cis-Chlordane	ND		ug/kg	2.33	0.650	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.2	6.18	1	A

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/18 06:01
Analyst: SL
Percent Solids: 85%
Methylation Date: 10/06/18 08:00

Extraction Method: EPA 8151A
Extraction Date: 10/05/18 00:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	12.2	1	A
2,4,5-T	ND		ug/kg	194	6.02	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	77		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/05/18 13:57
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:49
Cleanup Method: EPA 3620B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 20-22 Batch: WG1164278-1						
Delta-BHC	ND		ug/kg	1.52	0.299	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	ND		ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.537	A
Heptachlor epoxide	ND		ug/kg	2.86	0.858	A
Endrin	ND		ug/kg	0.635	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.667	A
Endrin ketone	ND		ug/kg	1.52	0.393	A
Dieldrin	ND		ug/kg	0.953	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.353	A
4,4'-DDD	ND		ug/kg	1.52	0.544	A
4,4'-DDT	ND		ug/kg	2.86	1.23	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.510	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
Toxaphene	ND		ug/kg	28.6	8.00	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/05/18 13:57
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/04/18 13:49
Cleanup Method: EPA 3620B
Cleanup Date: 10/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 20-22 Batch: WG1164278-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	140		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	136		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/08/18 02:25
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 10/05/18 00:59

Methylation Date: 10/06/18 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 20-22 Batch: WG1164443-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 20-22 Batch: WG1164278-2 WG1164278-3									
Delta-BHC	77		73		30-150	5		30	A
Lindane	77		72		30-150	7		30	A
Alpha-BHC	80		74		30-150	8		30	A
Beta-BHC	83		81		30-150	2		30	A
Heptachlor	105		100		30-150	5		30	A
Aldrin	74		72		30-150	3		30	A
Heptachlor epoxide	97		96		30-150	1		30	A
Endrin	95		90		30-150	5		30	A
Endrin aldehyde	81		73		30-150	10		30	A
Endrin ketone	97		89		30-150	9		30	A
Dieldrin	84		81		30-150	4		30	A
4,4'-DDE	69		67		30-150	3		30	A
4,4'-DDD	80		75		30-150	6		30	A
4,4'-DDT	85		81		30-150	5		30	A
Endosulfan I	75		74		30-150	1		30	A
Endosulfan II	88		84		30-150	5		30	A
Endosulfan sulfate	88		83		30-150	6		30	A
Methoxychlor	97		87		30-150	11		30	A
cis-Chlordane	59		58		30-150	2		30	A
trans-Chlordane	76		68		30-150	11		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 20-22 Batch: WG1164278-2 WG1164278-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		85		30-150	B
Decachlorobiphenyl	117		113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		80		30-150	A
Decachlorobiphenyl	116		125		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 20-22 Batch: WG1164443-2 WG1164443-3									
2,4-D	118		104		30-150	13		30	A
2,4,5-T	88		76		30-150	15		30	A
2,4,5-TP (Silvex)	79		71		30-150	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	99		82		30-150	A
DCAA	76		70		30-150	B

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-04
Client ID: SB03_0.5-1.5
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/02/18 09:20
Date Received: 10/02/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/12/18 22:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	0.029	J	mg/l	0.200	0.021	1	10/16/18 15:00	10/17/18 02:34	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-05
Client ID: SB03_3-4
Sample Location: QUEENS, NY
Date Collected: 10/02/18 09:25
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
TCLP/SPLP Ext. Date: 10/12/18 22:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/16/18 15:00	10/17/18 02:39	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-06
Client ID: SB03_5-6
Sample Location: QUEENS, NY
Date Collected: 10/02/18 09:42
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
TCLP/SPLP Ext. Date: 10/12/18 22:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	0.047	J	mg/l	0.200	0.021	1	10/16/18 15:00	10/17/18 02:56	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY
Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 10/03/18 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/06/18 09:24	10/08/18 18:23	EPA 3015	1,6010D	AB
Barium, TCLP	0.272	J	mg/l	0.500	0.021	1	10/06/18 09:24	10/08/18 18:23	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/06/18 09:24	10/08/18 18:23	EPA 3015	1,6010D	AB
Chromium, TCLP	8.08		mg/l	0.200	0.021	1	10/06/18 09:24	10/08/18 18:23	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/06/18 09:24	10/08/18 18:23	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/06/18 13:26	10/08/18 15:07	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/06/18 09:24	10/08/18 18:23	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/06/18 09:24	10/08/18 18:23	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY
Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
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	8420		mg/kg	8.53	2.30	2	10/09/18 09:30	10/09/18 15:10	EPA 3050B	1,6010D	PS
Antimony, Total	4.84		mg/kg	4.26	0.324	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Arsenic, Total	3.24		mg/kg	0.853	0.177	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Barium, Total	31.7		mg/kg	0.853	0.148	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Beryllium, Total	0.307	J	mg/kg	0.426	0.028	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Cadmium, Total	0.290	J	mg/kg	0.853	0.084	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Calcium, Total	14800		mg/kg	8.53	2.98	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Chromium, Total	733		mg/kg	0.853	0.082	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Cobalt, Total	5.15		mg/kg	1.71	0.142	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Copper, Total	25.5		mg/kg	0.853	0.220	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Iron, Total	12500		mg/kg	4.26	0.770	2	10/09/18 09:30	10/09/18 15:10	EPA 3050B	1,6010D	PS
Lead, Total	14.5		mg/kg	4.26	0.229	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Magnesium, Total	4540		mg/kg	8.53	1.31	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Manganese, Total	212		mg/kg	0.853	0.136	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Mercury, Total	0.045	J	mg/kg	0.072	0.015	1	10/09/18 12:00	10/09/18 15:47	EPA 7471B	1,7471B	MG
Nickel, Total	14.2		mg/kg	2.13	0.206	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Potassium, Total	646		mg/kg	213	12.3	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Selenium, Total	0.921	J	mg/kg	1.71	0.220	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.853	0.241	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Sodium, Total	162	J	mg/kg	171	2.69	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.71	0.269	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Vanadium, Total	17.4		mg/kg	0.853	0.173	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
Zinc, Total	31.8		mg/kg	4.26	0.250	2	10/09/18 09:30	10/09/18 16:06	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	160		mg/kg	45	45.	1		10/09/18 16:06	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY
Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 10/03/18 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/06/18 09:24	10/08/18 18:28	EPA 3015	1,6010D	AB
Barium, TCLP	0.358	J	mg/l	0.500	0.021	1	10/06/18 09:24	10/08/18 18:28	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/06/18 09:24	10/08/18 18:28	EPA 3015	1,6010D	AB
Chromium, TCLP	1.61		mg/l	0.200	0.021	1	10/06/18 09:24	10/08/18 18:28	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/06/18 09:24	10/08/18 18:28	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/06/18 13:26	10/08/18 15:09	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/06/18 09:24	10/08/18 18:28	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/06/18 09:24	10/08/18 18:28	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY
Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
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	5540		mg/kg	7.87	2.12	2	10/09/18 09:30	10/09/18 15:15	EPA 3050B	1,6010D	PS
Antimony, Total	ND		mg/kg	3.93	0.299	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Arsenic, Total	0.960		mg/kg	0.787	0.164	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Barium, Total	35.1		mg/kg	0.787	0.137	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Beryllium, Total	0.204	J	mg/kg	0.393	0.026	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Cadmium, Total	0.197	J	mg/kg	0.787	0.077	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Calcium, Total	615		mg/kg	7.87	2.75	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Chromium, Total	168		mg/kg	0.787	0.076	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Cobalt, Total	4.65		mg/kg	1.57	0.130	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Copper, Total	17.2		mg/kg	0.787	0.203	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Iron, Total	9520		mg/kg	3.93	0.710	2	10/09/18 09:30	10/09/18 15:15	EPA 3050B	1,6010D	PS
Lead, Total	2.12	J	mg/kg	3.93	0.211	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Magnesium, Total	2560		mg/kg	7.87	1.21	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Manganese, Total	256		mg/kg	0.787	0.125	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Mercury, Total	ND		mg/kg	0.065	0.014	1	10/09/18 12:00	10/09/18 15:48	EPA 7471B	1,7471B	MG
Nickel, Total	8.94		mg/kg	1.97	0.190	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Potassium, Total	856		mg/kg	197	11.3	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Selenium, Total	0.558	J	mg/kg	1.57	0.203	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.787	0.223	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Sodium, Total	59.3	J	mg/kg	157	2.48	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.57	0.248	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Vanadium, Total	13.8		mg/kg	0.787	0.160	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
Zinc, Total	24.1		mg/kg	3.93	0.230	2	10/09/18 09:30	10/09/18 16:10	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	38		mg/kg	21	21.	1		10/09/18 16:10	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1839662
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%
TCLP/SPLP Ext. Date: 10/03/18 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/06/18 09:24	10/08/18 18:33	EPA 3015	1,6010D	AB
Barium, TCLP	0.345	J	mg/l	0.500	0.021	1	10/06/18 09:24	10/08/18 18:33	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/06/18 09:24	10/08/18 18:33	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/06/18 09:24	10/08/18 18:33	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/06/18 09:24	10/08/18 18:33	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/06/18 13:26	10/08/18 15:10	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/06/18 09:24	10/08/18 18:33	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/06/18 09:24	10/08/18 18:33	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
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	5470		mg/kg	8.84	2.39	2	10/09/18 09:30	10/09/18 15:19	EPA 3050B	1,6010D	PS
Antimony, Total	ND		mg/kg	4.42	0.336	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Arsenic, Total	0.964		mg/kg	0.884	0.184	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Barium, Total	28.5		mg/kg	0.884	0.154	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Beryllium, Total	0.177	J	mg/kg	0.442	0.029	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Cadmium, Total	0.186	J	mg/kg	0.884	0.087	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Calcium, Total	1270		mg/kg	8.84	3.09	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Chromium, Total	12.7		mg/kg	0.884	0.085	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Cobalt, Total	5.26		mg/kg	1.77	0.147	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Copper, Total	9.95		mg/kg	0.884	0.228	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Iron, Total	10700		mg/kg	4.42	0.798	2	10/09/18 09:30	10/09/18 15:19	EPA 3050B	1,6010D	PS
Lead, Total	2.44	J	mg/kg	4.42	0.237	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Magnesium, Total	2800		mg/kg	8.84	1.36	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Manganese, Total	187		mg/kg	0.884	0.140	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Mercury, Total	ND		mg/kg	0.074	0.016	1	10/09/18 12:00	10/09/18 15:54	EPA 7471B	1,7471B	MG
Nickel, Total	9.58		mg/kg	2.21	0.214	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Potassium, Total	942		mg/kg	221	12.7	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Selenium, Total	0.371	J	mg/kg	1.77	0.228	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.884	0.250	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Sodium, Total	97.3	J	mg/kg	177	2.78	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.77	0.278	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Vanadium, Total	14.7		mg/kg	0.884	0.180	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
Zinc, Total	25.8		mg/kg	4.42	0.259	2	10/09/18 09:30	10/09/18 16:15	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12	J	mg/kg	0.94	0.94	1		10/09/18 16:15	NA	107,-	

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 20-22 Batch: WG1165032-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/06/18 09:24	10/08/18 15:30	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	10/06/18 09:24	10/08/18 15:30	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/06/18 09:24	10/08/18 15:30	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/06/18 09:24	10/08/18 15:30	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/06/18 09:24	10/08/18 15:30	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/06/18 09:24	10/08/18 15:30	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/06/18 09:24	10/08/18 15:30	1,6010D	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 10/03/18 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 20-22 Batch: WG1165096-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/06/18 13:26	10/08/18 13:28	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 10/03/18 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 20-22 Batch: WG1165722-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/09/18 09:30	10/09/18 14:29	1,6010D	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Chromium, Total	0.044	J	mg/kg	0.400	0.038	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC

Project Name: 37-11 30TH STREET **Lab Number:** L1839662

Project Number: 170512301 **Report Date:** 10/26/18

Method Blank Analysis
Batch Quality Control

Iron, Total	0.944	J	mg/kg	2.00	0.361	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Magnesium, Total	0.644	J	mg/kg	4.00	0.616	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Manganese, Total	0.064	J	mg/kg	0.400	0.064	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Sodium, Total	3.82	J	mg/kg	80.0	1.26	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/09/18 09:30	10/09/18 12:08	1,6010D	LC

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): 20-22 Batch: WG1165869-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/09/18 12:00	10/09/18 15:33	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04-06 Batch: WG1168684-1										
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/16/18 15:00	10/17/18 02:05	1,6010D	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 10/12/18 22:43

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20-22 Batch: WG1165032-2								
Arsenic, TCLP	115		-		75-125	-		20
Barium, TCLP	100		-		75-125	-		20
Cadmium, TCLP	104		-		75-125	-		20
Chromium, TCLP	101		-		75-125	-		20
Lead, TCLP	106		-		75-125	-		20
Selenium, TCLP	120		-		75-125	-		20
Silver, TCLP	100		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20-22 Batch: WG1165096-2								
Mercury, TCLP	87		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 20-22 Batch: WG1165722-2 SRM Lot Number: D102-540					
Aluminum, Total	82	-	49-150	-	
Antimony, Total	138	-	1-199	-	
Arsenic, Total	96	-	83-117	-	
Barium, Total	94	-	83-118	-	
Beryllium, Total	95	-	83-116	-	
Cadmium, Total	96	-	83-118	-	
Calcium, Total	90	-	82-118	-	
Chromium, Total	92	-	83-117	-	
Cobalt, Total	92	-	84-116	-	
Copper, Total	91	-	84-116	-	
Iron, Total	89	-	61-139	-	
Lead, Total	92	-	82-118	-	
Magnesium, Total	79	-	76-124	-	
Manganese, Total	92	-	82-118	-	
Nickel, Total	93	-	83-117	-	
Potassium, Total	86	-	70-130	-	
Selenium, Total	101	-	79-121	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	102	-	74-126	-	
Thallium, Total	95	-	81-119	-	
Vanadium, Total	92	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 20-22 Batch: WG1165722-2 SRM Lot Number: D102-540					
Zinc, Total	91	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 20-22 Batch: WG1165869-2 SRM Lot Number: D102-540					
Mercury, Total	130	-	65-134	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-06 Batch: WG1168684-2					
Chromium, TCLP	100	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20-22 QC Batch ID: WG1165032-3 QC Sample: L1839461-03 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.36	113		-	-		75-125	-		20
Barium, TCLP	0.277J	20	20.9	104		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.531	104		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.00	100		-	-		75-125	-		20
Lead, TCLP	0.116J	5.1	5.44	107		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.43	119		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.493	99		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20-22 QC Batch ID: WG1165096-3 QC Sample: L1839461-03 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0216	86		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

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): 20-22 QC Batch ID: WG1165722-3 WG1165722-4 QC Sample: L1840623-17 Client ID: MS Sample												
Aluminum, Total	3920	187	5960	**1090**	Q	6510	**1430**	Q	75-125	9		20
Antimony, Total	ND	46.9	35.9	76		34.9	77		75-125	3		20
Arsenic, Total	5.14	11.2	23.7	**165**	Q	21.2	**147**	Q	75-125	11		20
Barium, Total	18.8	187	200	97		197	98		75-125	2		20
Beryllium, Total	0.156J	4.69	4.28	91		4.28	94		75-125	0		20
Cadmium, Total	0.330J	4.78	4.53	95		4.56	98		75-125	1		20
Calcium, Total	28700	937	49400	**2210**	Q	36800	**892**	Q	75-125	**29**	Q	20
Chromium, Total	131.	18.7	147	85		214	**457**	Q	75-125	**37**	Q	20
Cobalt, Total	42.9	46.9	80.2	80		99.6	125		75-125	**22**	Q	20
Copper, Total	20.2	23.4	64.4	**189**	Q	57.7	**165**	Q	75-125	11		20
Iron, Total	11200	93.7	21100	**10600**	Q	19000	**8590**	Q	75-125	10		20
Lead, Total	9.14	47.8	53.8	93		54.8	99		75-125	2		20
Magnesium, Total	10300	937	16800	**693**	Q	14900	**507**	Q	75-125	12		20
Manganese, Total	442.	46.9	970	**1130**	Q	704	**577**	Q	75-125	**32**	Q	20
Nickel, Total	387.	46.9	407	**43**	Q	618	**509**	Q	75-125	**41**	Q	20
Potassium, Total	400.	937	1860	**156**	Q	1780	**152**	Q	75-125	4		20
Selenium, Total	0.962J	11.2	11.6	103		11.9	109		75-125	3		20
Silver, Total	ND	28.1	28.2	100		27.5	101		75-125	3		20
Sodium, Total	50.6J	937	1000	107		982	108		75-125	2		20
Thallium, Total	ND	11.2	8.45	75		8.64	79		75-125	2		20
Vanadium, Total	6.94	46.9	53.9	100		53.3	102		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

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): 20-22 QC Batch ID: WG1165722-3 WG1165722-4 QC Sample: L1840623-17 Client ID: MS Sample											
Zinc, Total	206.	46.9	108	**0**	Q	102	**0**	Q	75-125	6	20
Total Metals - Mansfield Lab Associated sample(s): 20-22 QC Batch ID: WG1165869-3 WG1165869-4 QC Sample: L1840623-17 Client ID: MS Sample											
Mercury, Total	ND	0.152	0.200	**132**	Q	0.199	**130**	Q	80-120	1	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-06 QC Batch ID: WG1168684-3 QC Sample: L1839480-01 Client ID: MS Sample											
Chromium, TCLP	27.0	2	28.2	**60**	Q	-	-		75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20-22 QC Batch ID: WG1165032-4 QC Sample: L1839461-03 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.277J	0.300J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	0.030J	mg/l	NC		20
Lead, TCLP	0.116J	0.125J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20-22 QC Batch ID: WG1165096-4 QC Sample: L1839461-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-06 QC Batch ID: WG1168684-4 QC Sample: L1839480-01 Client ID: DUP Sample						
Chromium, TCLP	27.0	26.3	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/09/18 02:00	1,1030	SB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/09/18 02:00	1,1030	SB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/09/18 02:00	1,1030	SB

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-01
Client ID: SB13_1-2
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:00
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	10/03/18 11:57	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-02
Client ID: SB03_8-9
Sample Location: QUEENS, NY

Date Collected: 10/02/18 09:44
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.9		%	0.100	NA	1	-	10/03/18 11:57	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-03
Client ID: SB03_13-14
Sample Location: QUEENS, NY

Date Collected: 10/02/18 09:52
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	10/03/18 11:57	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-20
Client ID: WC04_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:37
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	10/04/18 09:56	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	10/03/18 12:25	10/03/18 15:30	1,9010C/9012B	LH
pH (H)	10.5		SU	-	NA	1	-	10/03/18 09:53	1,9045D	GD
Chromium, Hexavalent	572		mg/kg	45.0	9.01	50	10/03/18 19:35	10/04/18 14:42	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 02:12	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 01:46	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-21
Client ID: WC04_COMP_6-10
Sample Location: QUEENS, NY

Date Collected: 10/02/18 11:55
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.3		%	0.100	NA	1	-	10/04/18 09:56	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.98	0.21	1	10/03/18 12:25	10/03/18 15:31	1,9010C/9012B	LH
pH (H)	6.9		SU	-	NA	1	-	10/03/18 10:18	1,9045D	GD
Chromium, Hexavalent	130		mg/kg	20.8	4.15	25	10/03/18 19:35	10/04/18 14:42	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 02:13	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 01:46	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1839662-22
Client ID: WC04_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/02/18 12:10
Date Received: 10/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	10/04/18 09:56	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/03/18 12:25	10/03/18 15:32	1,9010C/9012B	LH
pH (H)	8.1		SU	-	NA	1	-	10/03/18 10:18	1,9045D	GD
Chromium, Hexavalent	0.930	J	mg/kg	0.942	0.188	1	10/03/18 19:35	10/04/18 14:42	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 02:14	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 01:46	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839662
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 20-22 Batch: WG1163541-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	10/03/18 12:25	10/03/18 14:59	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 20-22 Batch: WG1163902-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/03/18 19:35	10/04/18 14:42	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 20-22 Batch: WG1163945-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 01:44	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 20-22 Batch: WG1163946-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/04/18 00:05	10/04/18 02:11	125,7.3	KF

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839662

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 20-22 Batch: WG1163541-2 WG1163541-3								
Cyanide, Total	**70**	Q	**63**	Q	80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 20 Batch: WG1163601-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 21-22 Batch: WG1163602-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 20-22 Batch: WG1163902-2								
Chromium, Hexavalent	88		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 20-22 Batch: WG1163945-2								
Sulfide, Reactive	74		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 20-22 Batch: WG1163946-2								
Cyanide, Reactive	56		-		30-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 20-22 QC Batch ID: WG1163541-4 WG1163541-5 QC Sample: L1839661-01 Client ID: MS Sample												
Cyanide, Total	ND	11	12	110		12	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 20-22 QC Batch ID: WG1163902-4 QC Sample: L1839662-22 Client ID: WC04_COMP_10-15												
Chromium, Hexavalent	0.930J	1270	1270	100		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 20 QC Batch ID: WG1163601-2 QC Sample: L1839569-01 Client ID: DUP Sample						
pH	7.0	7.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 21-22 QC Batch ID: WG1163602-2 QC Sample: L1839695-02 Client ID: DUP Sample						
pH	8.7	8.8	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1163652-1 QC Sample: L1839630-12 Client ID: DUP Sample						
Solids, Total	85.6	84.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 20-22 QC Batch ID: WG1163902-6 QC Sample: L1839662-22 Client ID: WC04_COMP_10-15						
Chromium, Hexavalent	0.930J	0.518J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 20-22 QC Batch ID: WG1163945-3 QC Sample: L1839662-21 Client ID: WC04_COMP_6-10						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 20-22 QC Batch ID: WG1163946-3 QC Sample: L1839662-21 Client ID: WC04_COMP_6-10						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 20-22 QC Batch ID: WG1164132-1 QC Sample: L1839135-01 Client ID: DUP Sample						
Solids, Total	69.7	69.5	%	0		20

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

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(*)
L1839662-01A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1839662-01B	Vial water preserved	A	NA		2.7	Y	Absent	03-OCT-18 15:53	NYTCL-8260HLW(14)
L1839662-01C	Vial water preserved	A	NA		2.7	Y	Absent	03-OCT-18 09:35	NYTCL-8260HLW(14)
L1839662-01D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1839662-01E	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NJEPH-TPH-CAT1(14)
L1839662-02A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1839662-02B	Vial water preserved	A	NA		2.7	Y	Absent	03-OCT-18 15:53	NYTCL-8260HLW(14)
L1839662-02C	Vial water preserved	A	NA		2.7	Y	Absent	03-OCT-18 09:35	NYTCL-8260HLW(14)
L1839662-02D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1839662-02E	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NJEPH-TPH-CAT1(14)
L1839662-03A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1839662-03B	Vial water preserved	A	NA		2.7	Y	Absent	03-OCT-18 15:53	NYTCL-8260HLW(14)
L1839662-03C	Vial water preserved	A	NA		2.7	Y	Absent	03-OCT-18 09:35	NYTCL-8260HLW(14)
L1839662-03D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1839662-03E	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NJEPH-TPH-CAT1(14)
L1839662-04A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		-
L1839662-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		CR-CI(180)
L1839662-04X9	Tumble Vessel	A	NA		2.7	Y	Absent		-
L1839662-05A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		-
L1839662-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		CR-CI(180)
L1839662-05X9	Tumble Vessel	A	NA		2.7	Y	Absent		-
L1839662-06A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		-
L1839662-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		CR-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1839662-06X9	Tumble Vessel	A	NA		2.7	Y	Absent		-
L1839662-07A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-08A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-09A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-10A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-11A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-12A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-13A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-14A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-15A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-16A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-17A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-18A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180)
L1839662-19A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1839662-19B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1839662-20A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	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),TRICR-CALC(30),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)
L1839662-20B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		HEXCR-7196(30)
L1839662-20C	Glass 500ml/16oz unpreserved	A	NA		2.7	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1839662-20X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1839662-20X9	Tumble Vessel	A	NA		2.7	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839662
Report Date: 10/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1839662-21A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	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),TRICR-CALC(30),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)
L1839662-21B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		HEXCR-7196(30)
L1839662-21C	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1839662-21D	Glass 500ml/16oz unpreserved	A	NA		2.7	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1839662-21X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1839662-21X9	Tumble Vessel	A	NA		2.7	Y	Absent		-
L1839662-22A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	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),TRICR-CALC(30),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)
L1839662-22B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		HEXCR-7196(30)
L1839662-22C	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1839662-22D	Glass 500ml/16oz unpreserved	A	NA		2.7	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1839662-22X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1839662-22X9	Tumble Vessel	A	NA		2.7	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1839662
Project Number:	170512301	**Report Date:**	10/26/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1839662
Project Number:	170512301	**Report Date:**	10/26/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH STREET	**Lab Number:**	L1839662
Project Number:	170512301	**Report Date:**	10/26/18

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

WC SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab: 10/3/18

ALPHA Job #: L1839662

Client Information

Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: esnead@langan.com

Project Information

Project Name: 3711 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #)
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[X] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[X] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYSDEC/NJDEP 15 VOCs, TCL, TAL Metals, TCL PP Metals, TCL SVOCs

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYSDEC/NJDEP 15 VOCs, TCL, TAL Metals, TCL PP Metals, TCL SVOCs								Sample Specific Comments	Total Bottle
39662-01	SB13_1-2	10/2	1700	SOIL	AS	X	X								
-02	SB03_8-9		944			X	X								
-03	SB03_13-14		952			X	X								
-04	SB03_0.5-1.5		920				X								
-05	SB03_3-4		925				X								
-06	~~SB03_5~~ SB03_5-6		942				X								
-07	SB03_7-8		943				X								
-08	SB03_8-9		944				X								
-09	SB03_9-10		945				X								
-10	SB03_10-11		950				X								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Christopher Stapleton	10/2/18 1540	[illegible]	10/2-18 1540
[illegible]	10/2-18 1845	[illegible]	10/2/18 1945
[illegible]	10/3/18 12:13	[illegible]	10/03/18 0013

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

WC SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab: 10/03/18

ALPHA Job #: L1839662

Client Information

Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: esnead@langan.com

Project Information

Project Name: 37-11 30th Street
Project Location: 70512301 Queens, NY
Project #:
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL Metals + HOLDS
VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL Metals + HOLDS	VOCs	Sample Specific Comments
39662 -11	SB03_11-12	10/2	950	SOIL	AS	X		
-12	SB03_13-14		952			X		
-13	SB13_2-3		1202			X		
-14	SB13_5-6		1210			X		
-15	SB13_8-9		1213			X		
-16	SB13_9-10		1214			X		
-17	SB13_12-13		1225			X		
-18	SB13_14-15		1230			X		
-19	TRIPBLANK04_100218		1510	AQ			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Christina Stoppenbeck	10/2/18 1540	[illegible]	10/2-18 1540
[illegible]	10/2-18 1541	[illegible]	10/2/18 1945
Paul Mazzella	10/3/18 12:13	[illegible]	10/03/18 0013

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

WC SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
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TEL: 508-822-9300
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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 10/03/18

ALPHA Job #: L1839662

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: esnead@langan.com

Project Information
Project Name: 37-11 35th St
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: NYSDEC/NJDEP/RI SVOCs	Pest/Herbos	PCBs	Metals (As + Cu, Ni + hex/tri chrom)	TCLP Metals	RCRA Char. (Ign., Corr., Reac.)	Sample Filtration	Total Bottle
39662 -20	WC04_COMP_0-5	10/2	1137	SOIL	AS	X	X	X	X	X	X		
-21	WC04_COMP_5-10	1	1155	1	1	X	X	X	X	X	X		
-22	WC04_COMP_10-5	1	1210	1	1	X	X	X	X	X	X		

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)
Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stapenhorst	10/2/18 1540		10-2-18 1546
	10-2-18 1845	Paul Consiglia	10/2/18 1945
Paul Consiglia	10/3/18 12:13		10/03/18 0813

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1840257
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH ST.
Project Number:	170512301
Report Date:	10/25/18

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1840257-01	WC01_COMP_0-5	SOIL	QUEENS, NY	10/04/18 15:50	10/04/18
L1840257-02	WC01_COMP_5-10	SOIL	QUEENS, NY	10/04/18 15:45	10/04/18
L1840257-03	WC01_COMP_10-15	SOIL	QUEENS, NY	10/04/18 15:40	10/04/18
L1840257-04	SB02_1-2	SOIL	QUEENS, NY	10/04/18 13:00	10/04/18
L1840257-05	SB02_12-13	SOIL	QUEENS, NY	10/04/18 13:11	10/04/18
L1840257-06	SB10_7-8	SOIL	QUEENS, NY	10/04/18 11:07	10/04/18
L1840257-07	SB01_0.5-1.5	SOIL	QUEENS, NY	10/04/18 07:45	10/04/18
L1840257-08	SB01_12-13	SOIL	QUEENS, NY	10/04/18 08:05	10/04/18
L1840257-09	COMPDUP01_100418	SOIL	QUEENS, NY	10/04/18 00:00	10/04/18
L1840257-10	SBDUP01_100418	SOIL	QUEENS, NY	10/04/18 00:00	10/04/18
L1840257-11	SB02_0-1	SOIL	QUEENS, NY	10/04/18 12:59	10/04/18
L1840257-12	SB02_1-2	SOIL	QUEENS, NY	10/04/18 13:00	10/04/18
L1840257-13	SB02_3-4	SOIL	QUEENS, NY	10/04/18 13:05	10/04/18
L1840257-14	SB10_0-1	SOIL	QUEENS, NY	10/04/18 11:00	10/04/18
L1840257-15	SB10_2-3	SOIL	QUEENS, NY	10/04/18 11:04	10/04/18
L1840257-16	SB02_7-8	SOIL	QUEENS, NY	10/04/18 13:06	10/04/18
L1840257-17	SB02_8-9	SOIL	QUEENS, NY	10/04/18 13:08	10/04/18
L1840257-18	SB02_9-10	SOIL	QUEENS, NY	10/04/18 13:10	10/04/18
L1840257-19	SB10_8.5-9.5	SOIL	QUEENS, NY	10/04/18 11:10	10/04/18
L1840257-20	SB10_7-8	SOIL	QUEENS, NY	10/04/18 11:07	10/04/18
L1840257-21	SB02_12-13	SOIL	QUEENS, NY	10/04/18 13:11	10/04/18
L1840257-22	SB02_13-14	SOIL	QUEENS, NY	10/04/18 13:13	10/04/18
L1840257-23	SB02_14-15	SOIL	QUEENS, NY	10/04/18 13:15	10/04/18
L1840257-24	SB10_12-13	SOIL	QUEENS, NY	10/04/18 11:11	10/04/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1840257-25	SB10_14-15	SOIL	QUEENS, NY	10/04/18 11:16	10/04/18
L1840257-26	SB01_0.5-1.5	SOIL	QUEENS, NY	10/04/18 07:45	10/04/18
L1840257-27	SB01_1.5-2	SOIL	QUEENS, NY	10/04/18 07:48	10/04/18
L1840257-28	SB01_2-3	SOIL	QUEENS, NY	10/04/18 07:49	10/04/18
L1840257-29	SB01_7.5-8.5	SOIL	QUEENS, NY	10/04/18 07:55	10/04/18
L1840257-30	SB01_8.5-9.5	SOIL	QUEENS, NY	10/04/18 08:01	10/04/18
L1840257-31	SB01_9.5-10	SOIL	QUEENS, NY	10/04/18 08:02	10/04/18
L1840257-32	SB01_12.16	SOIL	QUEENS, NY	10/04/18 08:05	10/04/18
L1840257-33	SB01_13-14	SOIL	QUEENS, NY	10/04/18 08:07	10/04/18
L1840257-34	SB01_14-15	SOIL	QUEENS, NY	10/04/18 08:09	10/04/18

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

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: 37-11 30TH ST. **Lab Number:** L1840257
Project Number: 170512301 **Report Date:** 10/25/18

Case Narrative (continued)

Report Submission

October 25, 2018: This final report includes the results of all requested analyses.

October 11, 2018: This is a preliminary report.

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

NJ EPH (Total)

L1840257-08: The surrogate recovery is outside the acceptance criteria for chloro-octadecane (165%); however, the sample was not re-extracted due to coelution with obvious interferences. A copy of the chromatogram is included as an attachment to this report.

Total Metals

L1840257-01, -02, -03 and -09: 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.

Cyanide, Total

The WG1165113-2 LCS recovery (77%), associated with L1840257-01, -02, -03, and -09, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 10/25/18

ORGANICS

VOLATILES

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-04
Client ID: SB02_1-2
Sample Location: QUEENS, NY

Date Collected: 10/04/18 13:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/10/18 01:48
Analyst: MV
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-04 Date Collected: 10/04/18 13:00

Client ID: SB02_1-2 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	33		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.17	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.1	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-04 Date Collected: 10/04/18 13:00

Client ID: SB02_1-2 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	4.0	0.94	1
Acrolein	ND		ug/kg	25	5.6	1
Cyclohexane	ND		ug/kg	9.9	0.54	1
1,4-Dioxane	ND		ug/kg	99	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-05
Client ID: SB02_12-13
Sample Location: QUEENS, NY

Date Collected: 10/04/18 13:11
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/10/18 02:15
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-05 Date Collected: 10/04/18 13:11

Client ID: SB02_12-13 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	41		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.22	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1
Tert-Butyl Alcohol	ND		ug/kg	22	5.8	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-05 Date Collected: 10/04/18 13:11

Client ID: SB02_12-13 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Acrolein	ND		ug/kg	28	6.3	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	110	40.	1
Freon-113	ND		ug/kg	4.5	0.78	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.22	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-06
Client ID: SB10_7-8
Sample Location: QUEENS, NY

Date Collected: 10/04/18 11:07
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/10/18 02:43
Analyst: MV
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-06 Date Collected: 10/04/18 11:07

Client ID: SB10_7-8 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Dibromomethane	ND		ug/kg	2.1	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	66		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.5	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-06 Date Collected: 10/04/18 11:07

Client ID: SB10_7-8 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Acrolein	ND		ug/kg	27	6.0	1
Cyclohexane	ND		ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	110	38.	1
Freon-113	ND		ug/kg	4.3	0.74	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-07
Client ID: SB01_0.5-1.5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 07:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/10/18 03:10
Analyst: MV
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-07 Date Collected: 10/04/18 07:45

Client ID: SB01_0.5-1.5 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	24		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.2	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-07 Date Collected: 10/04/18 07:45

Client ID: SB01_0.5-1.5 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Acrolein	ND		ug/kg	25	5.7	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	100	35.	1
Freon-113	ND		ug/kg	4.0	0.70	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Methyl cyclohexane	ND		ug/kg	4.0	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-08
Client ID: SB01_12-13
Sample Location: QUEENS, NY

Date Collected: 10/04/18 08:05
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/10/18 05:01
Analyst: NLK
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-08 Date Collected: 10/04/18 08:05

Client ID: SB01_12-13 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	10	J	ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.72	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1
Tert-Butyl Alcohol	ND		ug/kg	22	5.7	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-08 Date Collected: 10/04/18 08:05

Client ID: SB01_12-13 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.5	1.0	1
Acrolein	ND		ug/kg	28	6.3	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	110	39.	1
Freon-113	ND		ug/kg	4.5	0.77	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1
Methyl cyclohexane	ND		ug/kg	4.5	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-10
Client ID: SBDUP01_100418
Sample Location: QUEENS, NY
Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/10/18 03:38
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-10 Date Collected: 10/04/18 00:00

Client ID: SBDUP01_100418 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	11		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.4	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-10 Date Collected: 10/04/18 00:00

Client ID: SBDUP01_100418 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Acrolein	ND		ug/kg	26	5.9	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	100	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Methyl cyclohexane	ND		ug/kg	4.2	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/18 19:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08,10 Batch: WG1166260-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/18 19:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08,10 Batch: WG1166260-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/18 19:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08,10 Batch: WG1166260-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/18 19:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08,10 Batch: WG1166260-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08,10 Batch: WG1166260-3 WG1166260-4								
Methylene chloride	90		91		70-130	1		30
1,1-Dichloroethane	95		98		70-130	3		30
Chloroform	96		100		70-130	4		30
Carbon tetrachloride	93		97		70-130	4		30
1,2-Dichloropropane	96		99		70-130	3		30
Dibromochloromethane	102		105		70-130	3		30
1,1,2-Trichloroethane	107		109		70-130	2		30
Tetrachloroethene	108		111		70-130	3		30
Chlorobenzene	104		107		70-130	3		30
Trichlorofluoromethane	96		100		70-139	4		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	96		100		70-130	4		30
Bromodichloromethane	98		102		70-130	4		30
trans-1,3-Dichloropropene	106		107		70-130	1		30
cis-1,3-Dichloropropene	101		104		70-130	3		30
1,1-Dichloropropene	97		101		70-130	4		30
Bromoform	101		107		70-130	6		30
1,1,2,2-Tetrachloroethane	106		109		70-130	3		30
Benzene	98		100		70-130	2		30
Toluene	104		105		70-130	1		30
Ethylbenzene	103		106		70-130	3		30
Chloromethane	94		95		52-130	1		30
Bromomethane	99		97		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08,10 Batch: WG1166260-3 WG1166260-4								
Vinyl chloride	95		98		67-130	3		30
Chloroethane	96		98		50-151	2		30
1,1-Dichloroethene	97		97		65-135	0		30
trans-1,2-Dichloroethene	97		99		70-130	2		30
Trichloroethene	98		102		70-130	4		30
1,2-Dichlorobenzene	106		110		70-130	4		30
1,3-Dichlorobenzene	106		110		70-130	4		30
1,4-Dichlorobenzene	105		107		70-130	2		30
Methyl tert butyl ether	95		96		66-130	1		30
p/m-Xylene	106		109		70-130	3		30
o-Xylene	108		110		70-130	2		30
cis-1,2-Dichloroethene	98		101		70-130	3		30
Dibromomethane	98		99		70-130	1		30
Styrene	108		111		70-130	3		30
Dichlorodifluoromethane	89		92		30-146	3		30
Acetone	101		98		54-140	3		30
Carbon disulfide	86		85		59-130	1		30
2-Butanone	81		82		70-130	1		30
Vinyl acetate	95		96		70-130	1		30
4-Methyl-2-pentanone	101		101		70-130	0		30
1,2,3-Trichloropropane	105		106		68-130	1		30
2-Hexanone	109		106		70-130	3		30
Bromochloromethane	102		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08,10 Batch: WG1166260-3 WG1166260-4								
2,2-Dichloropropane	94		97		70-130	3		30
1,2-Dibromoethane	110		112		70-130	2		30
1,3-Dichloropropane	106		107		69-130	1		30
1,1,1,2-Tetrachloroethane	104		108		70-130	4		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	103		110		70-130	7		30
sec-Butylbenzene	103		109		70-130	6		30
tert-Butylbenzene	102		109		70-130	7		30
o-Chlorotoluene	105		110		70-130	5		30
p-Chlorotoluene	103		107		70-130	4		30
1,2-Dibromo-3-chloropropane	91		96		68-130	5		30
Hexachlorobutadiene	102		108		67-130	6		30
Isopropylbenzene	102		108		70-130	6		30
p-Isopropyltoluene	103		109		70-130	6		30
Naphthalene	103		107		70-130	4		30
Acrylonitrile	91		93		70-130	2		30
Tert-Butyl Alcohol	93		94		70-130	1		30
n-Propylbenzene	103		108		70-130	5		30
1,2,3-Trichlorobenzene	106		110		70-130	4		30
1,2,4-Trichlorobenzene	108		114		70-130	5		30
1,3,5-Trimethylbenzene	103		108		70-130	5		30
1,2,4-Trimethylbenzene	104		109		70-130	5		30
Methyl Acetate	90		91		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08,10 Batch: WG1166260-3 WG1166260-4								
Acrolein	91		93		70-130	2		30
Cyclohexane	93		97		59-142	4		30
1,4-Dioxane	92		96		65-136	4		30
Freon-113	99		90		50-139	10		30
p-Diethylbenzene	105		111		70-130	6		30
p-Ethyltoluene	104		109		70-130	5		30
1,2,4,5-Tetramethylbenzene	105		110		70-130	5		30
Ethyl ether	96		100		67-130	4		30
trans-1,4-Dichloro-2-butene	98		100		70-130	2		30
Methyl cyclohexane	94		98		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	95		96		70-130

SEMIVOLATILES

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/10/18 07:03
Analyst: RC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	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	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
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	ND		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	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	45.	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01 Date Collected: 10/04/18 15:50

Client ID: WC01_COMP_0-5 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	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
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	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	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	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
n-Nitrosodimethylamine	ND		ug/kg	350	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	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	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY
Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	72		18-120

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/10/18 04:08
Analyst: RC
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Benzidine	ND		ug/kg	670	220	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Azobenzene	ND		ug/kg	200	19.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02 Date Collected: 10/04/18 15:45

Client ID: WC01_COMP_5-10 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
n-Nitrosodimethylamine	ND		ug/kg	400	39.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02 Date Collected: 10/04/18 15:45

Client ID: WC01_COMP_5-10 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	55.	1
Caprolactam	ND		ug/kg	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	59		18-120

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/10/18 04:33
Analyst: RC
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	570	190	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
Azobenzene	ND		ug/kg	170	17.	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	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

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03 Date Collected: 10/04/18 15:40

Client ID: WC01_COMP_10-15 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
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	ND		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	21.	1
n-Nitrosodimethylamine	ND		ug/kg	350	33.	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

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03 Date Collected: 10/04/18 15:40

Client ID: WC01_COMP_10-15 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
Atrazine	ND		ug/kg	140	61.	1
Benzaldehyde	ND		ug/kg	230	47.	1
Caprolactam	ND		ug/kg	170	53.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	86		18-120

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09
Client ID: COMPDUP01_100418
Sample Location: QUEENS, NY

Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/10/18 07:54
Analyst: RC
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	570	180	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	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	29.	1
Azobenzene	ND		ug/kg	170	16.	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	20.	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

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09 Date Collected: 10/04/18 00:00

Client ID: COMPDUP01_100418 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
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
n-Nitrosodimethylamine	ND		ug/kg	340	33.	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	57.	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	450	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09 Date Collected: 10/04/18 00:00

Client ID: COMPDUP01_100418 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
Atrazine	ND		ug/kg	140	60.	1
Benzaldehyde	ND		ug/kg	230	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	72		18-120

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/10/18 01:37
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/07/18 20:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,09 Batch: WG1165270-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
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.
Azobenzene	ND		ug/kg	160	16.
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.

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/10/18 01:37
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/07/18 20:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,09 Batch: WG1165270-1					
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
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.
n-Nitrosodimethylamine	ND		ug/kg	320	31.
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.

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/10/18 01:37
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/07/18 20:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,09 Batch: WG1165270-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
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	26.
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.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165270-2 WG1165270-3								
Acenaphthene	80		93		31-137	15		50
Benzidine	48		53		10-66	10		50
1,2,4-Trichlorobenzene	74		86		38-107	15		50
Hexachlorobenzene	69		80		40-140	15		50
Bis(2-chloroethyl)ether	79		92		40-140	15		50
2-Chloronaphthalene	76		88		40-140	15		50
1,2-Dichlorobenzene	73		85		40-140	15		50
1,3-Dichlorobenzene	69		83		40-140	18		50
1,4-Dichlorobenzene	70		85		28-104	19		50
3,3'-Dichlorobenzidine	67		78		40-140	15		50
2,4-Dinitrotoluene	76		91		40-132	18		50
2,6-Dinitrotoluene	73		86		40-140	16		50
Azobenzene	84		98		40-140	15		50
Fluoranthene	76		89		40-140	16		50
4-Chlorophenyl phenyl ether	78		92		40-140	16		50
4-Bromophenyl phenyl ether	75		87		40-140	15		50
Bis(2-chloroisopropyl)ether	106		123		40-140	15		50
Bis(2-chloroethoxy)methane	81		93		40-117	14		50
Hexachlorobutadiene	71		86		40-140	19		50
Hexachlorocyclopentadiene	78		89		40-140	13		50
Hexachloroethane	72		86		40-140	18		50
Isophorone	80		93		40-140	15		50
Naphthalene	76		90		40-140	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165270-2 WG1165270-3								
Nitrobenzene	79		91		40-140	14		50
NDPA/DPA	77		90		36-157	16		50
n-Nitrosodi-n-propylamine	83		95		32-121	13		50
Bis(2-ethylhexyl)phthalate	88		103		40-140	16		50
Butyl benzyl phthalate	78		94		40-140	19		50
Di-n-butylphthalate	82		96		40-140	16		50
Di-n-octylphthalate	84		101		40-140	18		50
Diethyl phthalate	79		92		40-140	15		50
Dimethyl phthalate	76		87		40-140	13		50
Benzo(a)anthracene	77		90		40-140	16		50
Benzo(a)pyrene	76		87		40-140	13		50
Benzo(b)fluoranthene	75		86		40-140	14		50
Benzo(k)fluoranthene	77		89		40-140	14		50
Chrysene	80		93		40-140	15		50
Acenaphthylene	76		89		40-140	16		50
Anthracene	80		93		40-140	15		50
Benzo(ghi)perylene	78		88		40-140	12		50
Fluorene	77		90		40-140	16		50
Phenanthrene	79		92		40-140	15		50
Dibenzo(a,h)anthracene	79		90		40-140	13		50
Indeno(1,2,3-cd)pyrene	74		84		40-140	13		50
Pyrene	76		89		35-142	16		50
Biphenyl	80		94		54-104	16		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165270-2 WG1165270-3								
4-Chloroaniline	78		88		40-140	12		50
2-Nitroaniline	75		88		47-134	16		50
3-Nitroaniline	70		80		26-129	13		50
4-Nitroaniline	74		88		41-125	17		50
Dibenzofuran	78		91		40-140	15		50
2-Methylnaphthalene	77		90		40-140	16		50
1,2,4,5-Tetrachlorobenzene	76		88		40-117	15		50
Acetophenone	80		93		14-144	15		50
n-Nitrosodimethylamine	76		90		22-100	17		50
2,4,6-Trichlorophenol	75		89		30-130	17		50
p-Chloro-m-cresol	78		90		26-103	14		50
2-Chlorophenol	78		92		25-102	16		50
2,4-Dichlorophenol	80		91		30-130	13		50
2,4-Dimethylphenol	81		94		30-130	15		50
2-Nitrophenol	75		90		30-130	18		50
4-Nitrophenol	84		101		11-114	18		50
2,4-Dinitrophenol	59		72		4-130	20		50
4,6-Dinitro-o-cresol	68		84		10-130	21		50
Pentachlorophenol	70		83		17-109	17		50
Phenol	87		**102**	Q	26-90	16		50
2-Methylphenol	81		94		30-130.	15		50
3-Methylphenol/4-Methylphenol	80		92		30-130	14		50
2,4,5-Trichlorophenol	76		88		30-130	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165270-2 WG1165270-3								
Benzoic Acid	53		61		10-110	14		50
Benzyl Alcohol	81		95		40-140	16		50
Carbazole	77		90		54-128	16		50
Atrazine	77		92		40-140	18		50
Benzaldehyde	65		76		40-140	16		50
Caprolactam	109		**131**	Q	15-130	18		50
2,3,4,6-Tetrachlorophenol	78		93		40-140	18		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		93		25-120
Phenol-d6	82		95		10-120
Nitrobenzene-d5	77		88		23-120
2-Fluorobiphenyl	78		90		30-120
2,4,6-Tribromophenol	65		77		10-136
4-Terphenyl-d14	74		87		18-120

PETROLEUM HYDROCARBONS

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-04
Client ID: SB02_1-2
Sample Location: QUEENS, NY

Date Collected: 10/04/18 13:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/08/18 15:07
Analyst: DG
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/08/18 02:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	23.6	23.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	92		40-140

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-05
Client ID: SB02_12-13
Sample Location: QUEENS, NY

Date Collected: 10/04/18 13:11
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/08/18 16:32
Analyst: DG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/08/18 02:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.2	25.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	92		40-140

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-06
Client ID: SB10_7-8
Sample Location: QUEENS, NY

Date Collected: 10/04/18 11:07
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/08/18 17:00
Analyst: DG
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/08/18 02:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	24.4	24.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	97		40-140
o-Terphenyl	95		40-140

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-07
Client ID: SB01_0.5-1.5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 07:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/08/18 17:29
Analyst: DG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/08/18 02:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	27.2	27.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	90		40-140
o-Terphenyl	89		40-140

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-08
Client ID: SB01_12-13
Sample Location: QUEENS, NY

Date Collected: 10/04/18 08:05
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/08/18 17:58
Analyst: DG
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/08/18 02:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	218		mg/kg	24.1	24.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	**165**	Q	40-140
o-Terphenyl	91		40-140

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-10
Client ID: SBDUP01_100418
Sample Location: QUEENS, NY

Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/11/18 12:17
Analyst: LL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/08/18 02:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	24.9	24.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	113		40-140
o-Terphenyl	109		40-140

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 10/08/18 14:39
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 10/08/18 02:14

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 04-08,10 Batch: WG1165298-1					
Total EPH	ND		mg/kg	22.6	22.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	83		40-140
o-Terphenyl	82		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,10 Batch: WG1165298-2 WG1165298-3								
Total EPH	128		119		40-140	7		25
Nonane (C9)	88		84		40-140	5		25
Decane (C10)	100		96		40-140	4		25
Dodecane (C12)	102		98		40-140	4		25
Tetradecane (C14)	105		99		40-140	6		25
Hexadecane (C16)	115		105		40-140	9		25
Octadecane (C18)	123		111		40-140	10		25
Eicosane (C20)	125		112		40-140	11		25
Heneicosane (C21)	126		113		40-140	11		25
Docosane (C22)	125		112		40-140	11		25
Tetracosane (C24)	125		113		40-140	10		25
Hexacosane (C26)	125		113		40-140	10		25
Octacosane (C28)	123		111		40-140	10		25
Triacontane (C30)	123		110		40-140	11		25
Dotriacontane (C32)	124		110		40-140	12		25
Tetratriacontane (C34)	121		107		40-140	12		25
Hexatriacontane (C36)	123		110		40-140	11		25
Octatriacontane (C38)	122		112		40-140	9		25
Tetracontane (C40)	124		114		40-140	8		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 04-08,10		Batch: WG1165298-2 WG1165298-3					

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	89		85		40-140
o-Terphenyl	88		86		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,10 QC Batch ID: WG1165298-4 QC Sample: L1840257-04 Client ID: SB02_1-2												
Total EPH	ND	243	323	133		-	-		40-140	-		50
Nonane (C9)	ND	6.76	6.07	90		-	-		40-140	-		50
Decane (C10)	ND	6.76	7.07	105		-	-		40-140	-		50
Dodecane (C12)	ND	6.76	7.34	109		-	-		40-140	-		50
Tetradecane (C14)	ND	6.76	7.55	112		-	-		40-140	-		50
Hexadecane (C16)	ND	6.76	8.04	119		-	-		40-140	-		50
Octadecane (C18)	ND	6.76	8.51	126		-	-		40-140	-		50
Eicosane (C20)	ND	6.76	8.64	128		-	-		40-140	-		50
Heneicosane (C21)	ND	6.76	8.67	128		-	-		40-140	-		50
Docosane (C22)	ND	6.76	8.64	128		-	-		40-140	-		50
Tetracosane (C24)	ND	6.76	8.66	128		-	-		40-140	-		50
Hexacosane (C26)	ND	6.76	8.64	128		-	-		40-140	-		50
Octacosane (C28)	ND	6.76	8.67	128		-	-		40-140	-		50
Triacontane (C30)	ND	6.76	8.47	125		-	-		40-140	-		50
Dotriacontane (C32)	ND	6.76	8.49	126		-	-		40-140	-		50
Tetratriacontane (C34)	ND	6.76	8.28	123		-	-		40-140	-		50
Hexatriacontane (C36)	ND	6.76	8.38	124		-	-		40-140	-		50
Octatriacontane (C38)	ND	6.76	8.39	124		-	-		40-140	-		50
Tetracontane (C40)	ND	6.76	8.57	127		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	92				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,10 QC Batch ID: WG1165298-4 QC Sample: L1840257-04 Client ID: SB02_1-2												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	92				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,10 QC Batch ID: WG1165298-5 QC Sample: L1840257-04 Client ID: SB02_1-2						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		85		40-140
o-Terphenyl	92		84		40-140

PCBS

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/18 02:31
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 10/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	3.04	1	A
Aroclor 1221	ND		ug/kg	34.3	3.44	1	A
Aroclor 1232	ND		ug/kg	34.3	7.27	1	A
Aroclor 1242	ND		ug/kg	34.3	4.62	1	A
Aroclor 1248	ND		ug/kg	34.3	5.14	1	A
Aroclor 1254	ND		ug/kg	34.3	3.75	1	A
Aroclor 1260	ND		ug/kg	34.3	6.34	1	A
Aroclor 1262	ND		ug/kg	34.3	4.35	1	A
Aroclor 1268	ND		ug/kg	34.3	3.55	1	A
PCBs, Total	ND		ug/kg	34.3	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/18 02:45
Analyst: HT
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 10/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	3.54	1	A
Aroclor 1221	ND		ug/kg	39.8	3.99	1	A
Aroclor 1232	ND		ug/kg	39.8	8.44	1	A
Aroclor 1242	ND		ug/kg	39.8	5.37	1	A
Aroclor 1248	ND		ug/kg	39.8	5.97	1	A
Aroclor 1254	ND		ug/kg	39.8	4.36	1	A
Aroclor 1260	ND		ug/kg	39.8	7.36	1	A
Aroclor 1262	ND		ug/kg	39.8	5.06	1	A
Aroclor 1268	ND		ug/kg	39.8	4.12	1	A
PCBs, Total	ND		ug/kg	39.8	3.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/18 02:58
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 10/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.9	3.01	1	A
Aroclor 1221	ND		ug/kg	33.9	3.40	1	A
Aroclor 1232	ND		ug/kg	33.9	7.18	1	A
Aroclor 1242	ND		ug/kg	33.9	4.57	1	A
Aroclor 1248	ND		ug/kg	33.9	5.08	1	A
Aroclor 1254	ND		ug/kg	33.9	3.71	1	A
Aroclor 1260	ND		ug/kg	33.9	6.26	1	A
Aroclor 1262	ND		ug/kg	33.9	4.30	1	A
Aroclor 1268	ND		ug/kg	33.9	3.51	1	A
PCBs, Total	ND		ug/kg	33.9	3.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09
Client ID: COMPDUP01_100418
Sample Location: QUEENS, NY

Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/18 03:12
Analyst: HT
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 10/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	2.97	1	A
Aroclor 1221	ND		ug/kg	33.4	3.35	1	A
Aroclor 1232	ND		ug/kg	33.4	7.09	1	A
Aroclor 1242	ND		ug/kg	33.4	4.51	1	A
Aroclor 1248	ND		ug/kg	33.4	5.02	1	A
Aroclor 1254	ND		ug/kg	33.4	3.66	1	A
Aroclor 1260	ND		ug/kg	33.4	6.18	1	A
Aroclor 1262	ND		ug/kg	33.4	4.25	1	A
Aroclor 1268	ND		ug/kg	33.4	3.46	1	A
PCBs, Total	ND		ug/kg	33.4	2.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/09/18 00:44
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 10/07/18 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 10/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,09 Batch: WG1165256-1						
Aroclor 1016	ND		ug/kg	32.8	2.92	A
Aroclor 1221	ND		ug/kg	32.8	3.29	A
Aroclor 1232	ND		ug/kg	32.8	6.96	A
Aroclor 1242	ND		ug/kg	32.8	4.42	A
Aroclor 1248	ND		ug/kg	32.8	4.92	A
Aroclor 1254	ND		ug/kg	32.8	3.59	A
Aroclor 1260	ND		ug/kg	32.8	6.07	A
Aroclor 1262	ND		ug/kg	32.8	4.17	A
Aroclor 1268	ND		ug/kg	32.8	3.40	A
PCBs, Total	ND		ug/kg	32.8	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165256-2 WG1165256-3									
Aroclor 1016	82		80		40-140	2		50	A
Aroclor 1260	75		73		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	A
Decachlorobiphenyl	71		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		69		30-150	B
Decachlorobiphenyl	73		68		30-150	B

PESTICIDES

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 13:57
Analyst: SL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 17:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/09/18

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	0.383	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	0.747	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	0.996	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

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01 Date Collected: 10/04/18 15:50

Client ID: WC01_COMP_0-5 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/10/18 10:10
Analyst: SL
Percent Solids: 93%
Methylation Date: 10/07/18 07:42

Extraction Method: EPA 8151A
Extraction Date: 10/06/18 10:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	175	11.0	1	A
2,4,5-T	ND		ug/kg	175	5.42	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	4.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	72		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 14:10
Analyst: SL
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 17:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.496	1	A
Dieldrin	ND		ug/kg	1.20	0.602	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	B
4,4'-DDD	ND		ug/kg	1.92	0.686	1	B
4,4'-DDT	ND		ug/kg	3.61	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.455	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.670	1	A
trans-Chlordane	ND		ug/kg	2.41	0.635	1	A
Chlordane	ND		ug/kg	15.6	6.38	1	A

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02 Date Collected: 10/04/18 15:45

Client ID: WC01_COMP_5-10 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/10/18 10:30
Analyst: SL
Percent Solids: 82%
Methylation Date: 10/07/18 07:42

Extraction Method: EPA 8151A
Extraction Date: 10/06/18 10:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	200	12.6	1	A
2,4,5-T	ND		ug/kg	200	6.20	1	A
2,4,5-TP (Silvex)	ND		ug/kg	200	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	73		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 14:23
Analyst: SL
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 17:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.614	1	A
Heptachlor	ND		ug/kg	0.809	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.417	1	A
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	3.03	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.541	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.944	1	A
Toxaphene	ND		ug/kg	30.3	8.50	1	A
cis-Chlordane	ND		ug/kg	2.02	0.564	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.1	5.36	1	A

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03 Date Collected: 10/04/18 15:40

Client ID: WC01_COMP_10-15 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	74		30-150	A

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/10/18 22:57
Analyst: DGM
Percent Solids: 96%
Methylation Date: 10/07/18 07:42

Extraction Method: EPA 8151A
Extraction Date: 10/06/18 10:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	10.9	1	A
2,4,5-T	ND		ug/kg	172	5.35	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	4.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	67		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09
Client ID: COMPDUP01_100418
Sample Location: QUEENS, NY

Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 14:36
Analyst: SL
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/07/18 17:43
Cleanup Method: EPA 3620B
Cleanup Date: 10/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.675	0.302	1	A
Alpha-BHC	ND		ug/kg	0.675	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.615	1	A
Heptachlor	ND		ug/kg	0.810	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.571	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.912	1	A
Endrin	ND		ug/kg	0.675	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.709	1	A
Endrin ketone	ND		ug/kg	1.62	0.417	1	A
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	ND		ug/kg	1.62	0.375	1	A
4,4'-DDD	ND		ug/kg	1.62	0.578	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.383	1	A
Endosulfan II	ND		ug/kg	1.62	0.542	1	A
Endosulfan sulfate	ND		ug/kg	0.675	0.322	1	A
Methoxychlor	ND		ug/kg	3.04	0.946	1	A
Toxaphene	ND		ug/kg	30.4	8.51	1	A
cis-Chlordane	ND		ug/kg	2.03	0.565	1	A
trans-Chlordane	ND		ug/kg	2.03	0.535	1	A
Chlordane	ND		ug/kg	13.2	5.37	1	A

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09 Date Collected: 10/04/18 00:00

Client ID: COMPDUP01_100418 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09
Client ID: COMPDUP01_100418
Sample Location: QUEENS, NY

Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/10/18 23:16
Analyst: DGM
Percent Solids: 97%
Methylation Date: 10/07/18 07:42

Extraction Method: EPA 8151A
Extraction Date: 10/06/18 10:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	169	10.7	1	A
2,4,5-T	ND		ug/kg	169	5.25	1	A
2,4,5-TP (Silvex)	ND		ug/kg	169	4.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	67		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/10/18 02:37
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 10/06/18 10:04

Methylation Date: 10/07/18 07:42

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03,09 Batch: WG1165056-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	71		30-150	B

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/09/18 23:32
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/07/18 17:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,09 Batch: WG1165253-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.646	0.288	A
Alpha-BHC	ND		ug/kg	0.646	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.587	A
Heptachlor	ND		ug/kg	0.775	0.347	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.90	0.872	A
Endrin	ND		ug/kg	0.646	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.678	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	0.553	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	0.518	A
Endosulfan sulfate	ND		ug/kg	0.646	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.904	A
Toxaphene	ND		ug/kg	29.0	8.13	A
cis-Chlordane	ND		ug/kg	1.94	0.540	A
trans-Chlordane	ND		ug/kg	1.94	0.511	A
Chlordane	ND		ug/kg	12.6	5.13	A

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/09/18 23:32
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/07/18 17:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,09 Batch: WG1165253-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	134		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165056-2 WG1165056-3									
2,4-D	96		99		30-150	3		30	A
2,4,5-T	75		78		30-150	4		30	A
2,4,5-TP (Silvex)	70		73		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	83		84		30-150	A
DCAA	76		88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165253-2 WG1165253-3									
Delta-BHC	77		81		30-150	5		30	A
Lindane	79		82		30-150	4		30	A
Alpha-BHC	82		88		30-150	7		30	A
Beta-BHC	83		84		30-150	1		30	A
Heptachlor	115		116		30-150	1		30	A
Aldrin	83		85		30-150	2		30	A
Heptachlor epoxide	98		111		30-150	12		30	A
Endrin	101		102		30-150	1		30	A
Endrin aldehyde	81		81		30-150	0		30	A
Endrin ketone	104		103		30-150	1		30	A
Dieldrin	91		94		30-150	3		30	A
4,4'-DDE	76		79		30-150	4		30	A
4,4'-DDD	87		91		30-150	4		30	A
4,4'-DDT	96		97		30-150	1		30	A
Endosulfan I	80		83		30-150	4		30	A
Endosulfan II	95		98		30-150	3		30	A
Endosulfan sulfate	98		96		30-150	2		30	A
Methoxychlor	95		97		30-150	2		30	A
cis-Chlordane	65		68		30-150	5		30	A
trans-Chlordane	42		46		30-150	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165253-2 WG1165253-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	B
Decachlorobiphenyl	106		106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		83		30-150	A
Decachlorobiphenyl	107		123		30-150	A

METALS

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY
Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 10/05/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/10/18 16:40	10/10/18 20:36	EPA 3015	1,6010D	AB
Barium, TCLP	0.603		mg/l	0.500	0.021	1	10/10/18 16:40	10/10/18 20:36	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/10/18 16:40	10/10/18 20:36	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/10/18 16:40	10/10/18 20:36	EPA 3015	1,6010D	AB
Lead, TCLP	0.169	J	mg/l	0.500	0.027	1	10/10/18 16:40	10/10/18 20:36	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/10/18 14:42	10/10/18 20:56	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/10/18 16:40	10/10/18 20:36	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/10/18 16:40	10/10/18 20:36	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY
Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
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	4440		mg/kg	8.09	2.18	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Antimony, Total	ND		mg/kg	4.04	0.307	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Arsenic, Total	1.24		mg/kg	0.809	0.168	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Barium, Total	25.6		mg/kg	0.809	0.141	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Beryllium, Total	0.210	J	mg/kg	0.404	0.027	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Cadmium, Total	0.162	J	mg/kg	0.809	0.079	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Calcium, Total	508		mg/kg	8.09	2.83	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Chromium, Total	8.10		mg/kg	0.809	0.078	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Cobalt, Total	3.82		mg/kg	1.62	0.134	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Copper, Total	10.4		mg/kg	0.809	0.209	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Iron, Total	7370		mg/kg	4.04	0.731	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Lead, Total	5.88		mg/kg	4.04	0.217	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Magnesium, Total	1820		mg/kg	8.09	1.24	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Manganese, Total	276		mg/kg	0.809	0.129	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Mercury, Total	0.017	J	mg/kg	0.067	0.014	1	10/10/18 10:30	10/10/18 22:08	EPA 7471B	1,7471B	EA
Nickel, Total	8.63		mg/kg	2.02	0.196	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Potassium, Total	374		mg/kg	202	11.6	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Selenium, Total	ND		mg/kg	1.62	0.209	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.809	0.229	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Sodium, Total	39.2	J	mg/kg	162	2.55	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.62	0.255	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Vanadium, Total	12.1		mg/kg	0.809	0.164	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
Zinc, Total	37.2		mg/kg	4.04	0.237	2	10/09/18 21:15	10/10/18 15:28	EPA 3050B	1,6010D	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	8.1		mg/kg	0.86	0.86	1		10/10/18 15:28	NA	107,-	

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%
TCLP/SPLP Ext. Date: 10/05/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/10/18 16:40	10/10/18 20:41	EPA 3015	1,6010D	AB
Barium, TCLP	0.399	J	mg/l	0.500	0.021	1	10/10/18 16:40	10/10/18 20:41	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/10/18 16:40	10/10/18 20:41	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/10/18 16:40	10/10/18 20:41	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/10/18 16:40	10/10/18 20:41	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/10/18 14:42	10/10/18 20:57	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/10/18 16:40	10/10/18 20:41	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/10/18 16:40	10/10/18 20:41	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6860		mg/kg	9.58	2.59	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Antimony, Total	0.584	J	mg/kg	4.79	0.364	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Arsenic, Total	1.56		mg/kg	0.958	0.199	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Barium, Total	44.4		mg/kg	0.958	0.167	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Beryllium, Total	0.326	J	mg/kg	0.479	0.032	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Cadmium, Total	0.287	J	mg/kg	0.958	0.094	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Calcium, Total	1200		mg/kg	9.58	3.35	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Chromium, Total	18.1		mg/kg	0.958	0.092	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Cobalt, Total	8.56		mg/kg	1.92	0.159	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Copper, Total	20.4		mg/kg	0.958	0.247	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Iron, Total	15800		mg/kg	4.79	0.865	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Lead, Total	4.56	J	mg/kg	4.79	0.257	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Magnesium, Total	3830		mg/kg	9.58	1.48	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Manganese, Total	371		mg/kg	0.958	0.152	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Mercury, Total	ND		mg/kg	0.077	0.016	1	10/10/18 10:30	10/10/18 22:14	EPA 7471B	1,7471B	EA
Nickel, Total	13.7		mg/kg	2.40	0.232	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Potassium, Total	2240		mg/kg	240	13.8	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Selenium, Total	ND		mg/kg	1.92	0.247	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.958	0.271	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Sodium, Total	63.6	J	mg/kg	192	3.02	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.92	0.302	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Vanadium, Total	28.4		mg/kg	0.958	0.194	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
Zinc, Total	40.8		mg/kg	4.79	0.281	2	10/09/18 21:15	10/10/18 15:33	EPA 3050B	1,6010D	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18		mg/kg	0.98	0.98	1		10/10/18 15:33	NA	107,-	

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 10/05/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/10/18 16:40	10/10/18 20:46	EPA 3015	1,6010D	AB
Barium, TCLP	0.257	J	mg/l	0.500	0.021	1	10/10/18 16:40	10/10/18 20:46	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/10/18 16:40	10/10/18 20:46	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/10/18 16:40	10/10/18 20:46	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/10/18 16:40	10/10/18 20:46	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/10/18 14:42	10/10/18 20:59	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/10/18 16:40	10/10/18 20:46	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/10/18 16:40	10/10/18 20:46	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
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	2630		mg/kg	8.16	2.20	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Antimony, Total	ND		mg/kg	4.08	0.310	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Arsenic, Total	0.661	J	mg/kg	0.816	0.170	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Barium, Total	20.0		mg/kg	0.816	0.142	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Beryllium, Total	0.098	J	mg/kg	0.408	0.027	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Cadmium, Total	0.139	J	mg/kg	0.816	0.080	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Calcium, Total	12500		mg/kg	8.16	2.86	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Chromium, Total	7.48		mg/kg	0.816	0.078	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Cobalt, Total	3.94		mg/kg	1.63	0.135	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Copper, Total	10.4		mg/kg	0.816	0.210	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Iron, Total	6660		mg/kg	4.08	0.737	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Lead, Total	2.40	J	mg/kg	4.08	0.219	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Magnesium, Total	8260		mg/kg	8.16	1.26	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Manganese, Total	163		mg/kg	0.816	0.130	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Mercury, Total	ND		mg/kg	0.066	0.014	1	10/10/18 10:30	10/10/18 22:16	EPA 7471B	1,7471B	EA
Nickel, Total	7.74		mg/kg	2.04	0.198	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Potassium, Total	806		mg/kg	204	11.8	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Selenium, Total	0.449	J	mg/kg	1.63	0.210	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.816	0.231	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Sodium, Total	62.9	J	mg/kg	163	2.57	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.63	0.257	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Vanadium, Total	11.0		mg/kg	0.816	0.166	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
Zinc, Total	23.4		mg/kg	4.08	0.239	2	10/09/18 21:15	10/10/18 15:37	EPA 3050B	1,6010D	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	7.5		mg/kg	0.84	0.84	1		10/10/18 15:37	NA	107,-	

Project Name: 37-11 30TH ST.
Lab Number: L1840257
Project Number: 170512301
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09
Client ID: COMPDUP01_100418
Sample Location: QUEENS, NY
Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%
TCLP/SPLP Ext. Date: 10/05/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/10/18 16:40	10/10/18 20:51	EPA 3015	1,6010D	AB
Barium, TCLP	0.302	J	mg/l	0.500	0.021	1	10/10/18 16:40	10/10/18 20:51	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/10/18 16:40	10/10/18 20:51	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/10/18 16:40	10/10/18 20:51	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/10/18 16:40	10/10/18 20:51	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/10/18 14:42	10/10/18 21:01	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/10/18 16:40	10/10/18 20:51	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/10/18 16:40	10/10/18 20:51	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09 Date Collected: 10/04/18 00:00

Client ID: COMPDUP01_100418 Date Received: 10/04/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

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	2870		mg/kg	8.08	2.18	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Antimony, Total	ND		mg/kg	4.04	0.307	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Arsenic, Total	0.897		mg/kg	0.808	0.168	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Barium, Total	19.1		mg/kg	0.808	0.140	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Beryllium, Total	0.105	J	mg/kg	0.404	0.027	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Cadmium, Total	0.194	J	mg/kg	0.808	0.079	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Calcium, Total	6920		mg/kg	8.08	2.83	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Chromium, Total	7.26		mg/kg	0.808	0.078	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Cobalt, Total	4.05		mg/kg	1.62	0.134	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Copper, Total	9.14		mg/kg	0.808	0.208	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Iron, Total	7330		mg/kg	4.04	0.730	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Lead, Total	2.04	J	mg/kg	4.04	0.216	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Magnesium, Total	4950		mg/kg	8.08	1.24	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Manganese, Total	212		mg/kg	0.808	0.128	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Mercury, Total	ND		mg/kg	0.066	0.014	1	10/10/18 10:30	10/10/18 22:18	EPA 7471B	1,7471B	EA
Nickel, Total	8.19		mg/kg	2.02	0.196	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Potassium, Total	600		mg/kg	202	11.6	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Selenium, Total	0.218	J	mg/kg	1.62	0.208	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.808	0.229	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Sodium, Total	58.5	J	mg/kg	162	2.54	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.62	0.254	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Vanadium, Total	13.1		mg/kg	0.808	0.164	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
Zinc, Total	36.1		mg/kg	4.04	0.237	2	10/09/18 21:15	10/10/18 15:42	EPA 3050B	1,6010D	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	7.3		mg/kg	0.83	0.83	1		10/10/18 15:42	NA	107,-	

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

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): 01-03,09 Batch: WG1166095-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Copper, Total	ND		mg/kg	0.400	0.103	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Iron, Total	ND		mg/kg	2.00	0.361	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Potassium, Total	ND		mg/kg	100	5.76	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/09/18 21:15	10/10/18 14:26	1,6010D	PE

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): 01-03,09 Batch: WG1166337-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/10/18 10:30	10/10/18 21:28	1,7471B	EA

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03,09 Batch: WG1166511-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/10/18 14:42	10/10/18 20:16	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 10/05/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03,09 Batch: WG1166564-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/10/18 16:40	10/10/18 18:39	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	10/10/18 16:40	10/10/18 18:39	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/10/18 16:40	10/10/18 18:39	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/10/18 16:40	10/10/18 18:39	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/10/18 16:40	10/10/18 18:39	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/10/18 16:40	10/10/18 18:39	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/10/18 16:40	10/10/18 18:39	1,6010D	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 10/05/18 16:17

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,09 Batch: WG1166095-2 SRM Lot Number: D102-540								
Aluminum, Total	71		-		49-150	-		
Antimony, Total	158		-		1-199	-		
Arsenic, Total	97		-		83-117	-		
Barium, Total	99		-		83-118	-		
Beryllium, Total	96		-		83-116	-		
Cadmium, Total	91		-		83-118	-		
Calcium, Total	94		-		82-118	-		
Chromium, Total	96		-		83-117	-		
Cobalt, Total	92		-		84-116	-		
Copper, Total	94		-		84-116	-		
Iron, Total	101		-		61-139	-		
Lead, Total	94		-		82-118	-		
Magnesium, Total	88		-		76-124	-		
Manganese, Total	112		-		82-118	-		
Nickel, Total	92		-		83-117	-		
Potassium, Total	88		-		70-130	-		
Selenium, Total	102		-		79-121	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	104		-		74-126	-		
Thallium, Total	90		-		81-119	-		
Vanadium, Total	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,09 Batch: WG1166095-2 SRM Lot Number: D102-540					
Zinc, Total	92	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03,09 Batch: WG1166337-2 SRM Lot Number: D102-540					
Mercury, Total	108	-	65-134	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,09 Batch: WG1166511-2					
Mercury, TCLP	96	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,09 Batch: WG1166564-2					
Arsenic, TCLP	105	-	75-125	-	20
Barium, TCLP	94	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	107	-	75-125	-	20
Lead, TCLP	99	-	75-125	-	20
Selenium, TCLP	111	-	75-125	-	20
Silver, TCLP	99	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

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): 01-03,09 QC Batch ID: WG1166095-3 QC Sample: L1840256-04 Client ID: MS Sample												
Aluminum, Total	9260	181	9930	**369**	Q	-	-		75-125	-		20
Antimony, Total	0.841J	45.4	41.1	90		-	-		75-125	-		20
Arsenic, Total	5.74	10.9	16.1	95		-	-		75-125	-		20
Barium, Total	99.4	181	302	112		-	-		75-125	-		20
Beryllium, Total	0.420J	4.54	4.68	103		-	-		75-125	-		20
Cadmium, Total	0.539J	4.63	5.06	109		-	-		75-125	-		20
Calcium, Total	2110	907	2700	**65**	Q	-	-		75-125	-		20
Chromium, Total	16.5	18.1	32.9	90		-	-		75-125	-		20
Cobalt, Total	6.37	45.4	46.7	89		-	-		75-125	-		20
Copper, Total	42.1	22.7	83.1	**181**	Q	-	-		75-125	-		20
Iron, Total	15800	90.7	15100	**0**	Q	-	-		75-125	-		20
Lead, Total	171.	46.3	403	**501**	Q	-	-		75-125	-		20
Magnesium, Total	2120	907	2980	95		-	-		75-125	-		20
Manganese, Total	287.	45.4	358	**156**	Q	-	-		75-125	-		20
Nickel, Total	12.2	45.4	54.0	92		-	-		75-125	-		20
Potassium, Total	503.	907	1510	111		-	-		75-125	-		20
Selenium, Total	0.804J	10.9	11.2	103		-	-		75-125	-		20
Silver, Total	ND	27.2	27.4	101		-	-		75-125	-		20
Sodium, Total	35.7J	907	927	102		-	-		75-125	-		20
Thallium, Total	ND	10.9	8.96	82		-	-		75-125	-		20
Vanadium, Total	28.7	45.4	71.6	94		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

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): 01-03,09 QC Batch ID: WG1166095-3 QC Sample: L1840256-04 Client ID: MS Sample											
Zinc, Total	133.	45.4	223	**198**	Q	-	-		75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03,09 QC Batch ID: WG1166337-3 WG1166337-4 QC Sample: L1839541-03 Client ID: MS Sample											
Mercury, Total	0.087	0.146	0.274	**128**	Q	0.310	**152**	Q	80-120	12	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,09 QC Batch ID: WG1166511-3 QC Sample: L1840200-01 Client ID: MS Sample											
Mercury, TCLP	ND	0.025	0.0218	87		-	-		80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,09 QC Batch ID: WG1166564-3 QC Sample: L1840200-01 Client ID: MS Sample											
Arsenic, TCLP	ND	1.2	1.26	105		-	-		75-125	-	20
Barium, TCLP	ND	20	19.0	95		-	-		75-125	-	20
Cadmium, TCLP	ND	0.51	0.522	102		-	-		75-125	-	20
Chromium, TCLP	ND	2	1.94	97		-	-		75-125	-	20
Lead, TCLP	ND	5.1	5.11	100		-	-		75-125	-	20
Selenium, TCLP	ND	1.2	1.40	117		-	-		75-125	-	20
Silver, TCLP	ND	0.5	0.505	101		-	-		75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,09 QC Batch ID: WG1166095-4 QC Sample: L1840256-04 Client ID: DUP Sample						
Aluminum, Total	9260	6780	mg/kg	**31**	Q	20
Antimony, Total	0.841J	1.11J	mg/kg	NC		20
Arsenic, Total	5.74	4.48	mg/kg	**25**	Q	20
Barium, Total	99.4	125	mg/kg	**23**	Q	20
Beryllium, Total	0.420J	0.376J	mg/kg	NC		20
Cadmium, Total	0.539J	0.835J	mg/kg	NC		20
Calcium, Total	2110	2490	mg/kg	17		20
Chromium, Total	16.5	12.2	mg/kg	**30**	Q	20
Cobalt, Total	6.37	4.82	mg/kg	**28**	Q	20
Copper, Total	42.1	69.2	mg/kg	**49**	Q	20
Iron, Total	15800	11900	mg/kg	**28**	Q	20
Lead, Total	171.	309	mg/kg	**58**	Q	20
Magnesium, Total	2120	1620	mg/kg	**27**	Q	20
Manganese, Total	287.	334	mg/kg	15		20
Nickel, Total	12.2	12.2	mg/kg	0		20
Potassium, Total	503.	400	mg/kg	**23**	Q	20
Selenium, Total	0.804J	0.798J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	35.7J	48.6J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,09 QC Batch ID: WG1166095-4 QC Sample: L1840256-04 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	28.7	23.8	mg/kg	19		20
Zinc, Total	133.	167	mg/kg	**23**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,09 QC Batch ID: WG1166511-4 QC Sample: L1840200-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,09 QC Batch ID: WG1166564-4 QC Sample: L1840200-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	ND	0.022J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/10/18 02:30	1,1030	SB

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/10/18 02:30	1,1030	SB

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/10/18 02:30	1,1030	SB

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09
Client ID: COMPDUP01_100418
Sample Location: QUEENS, NY
Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/10/18 02:30	1,1030	SB

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-01
Client ID: WC01_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:50
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	10/05/18 10:14	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	10/06/18 16:45	10/08/18 11:57	1,9010C/9012B	LH
pH (H)	7.4		SU	-	NA	1	-	10/05/18 20:08	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.860	0.172	1	10/08/18 17:20	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 02:18	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 01:47	125,7.3	KF

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-02
Client ID: WC01_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.6		%	0.100	NA	1	-	10/05/18 13:27	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	10/06/18 16:45	10/08/18 12:00	1,9010C/9012B	LH
pH (H)	7.1		SU	-	NA	1	-	10/05/18 20:08	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.980	0.196	1	10/08/18 17:20	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 02:18	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 01:47	125,7.3	KF

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-03
Client ID: WC01_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/04/18 15:40
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	10/05/18 13:27	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.98	0.21	1	10/06/18 16:45	10/08/18 12:01	1,9010C/9012B	LH
pH (H)	8.3		SU	-	NA	1	-	10/05/18 20:08	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.835	0.167	1	10/08/18 17:20	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 02:20	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 01:47	125,7.3	KF

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-04
Client ID: SB02_1-2
Sample Location: QUEENS, NY

Date Collected: 10/04/18 13:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	10/05/18 10:14	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-05
Client ID: SB02_12-13
Sample Location: QUEENS, NY

Date Collected: 10/04/18 13:11
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	10/05/18 10:14	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-06
Client ID: SB10_7-8
Sample Location: QUEENS, NY

Date Collected: 10/04/18 11:07
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

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	-	10/05/18 10:14	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-07
Client ID: SB01_0.5-1.5
Sample Location: QUEENS, NY

Date Collected: 10/04/18 07:45
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

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	-	10/05/18 10:14	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-08
Client ID: SB01_12-13
Sample Location: QUEENS, NY

Date Collected: 10/04/18 08:05
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

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	-	10/05/18 10:14	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-09
Client ID: COMPDUP01_100418
Sample Location: QUEENS, NY

Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.7		%	0.100	NA	1	-	10/05/18 13:27	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	10/06/18 16:45	10/08/18 12:02	1,9010C/9012B	LH
pH (H)	8.4		SU	-	NA	1	-	10/05/18 20:08	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.827	0.165	1	10/08/18 17:20	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 02:20	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 01:47	125,7.3	KF

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

SAMPLE RESULTS

Lab ID: L1840257-10
Client ID: SBDUP01_100418
Sample Location: QUEENS, NY

Date Collected: 10/04/18 00:00
Date Received: 10/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	10/10/18 10:20	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1840257
Report Date: 10/25/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,09 Batch: WG1164916-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 01:43	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-03,09 Batch: WG1164917-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/05/18 00:20	10/06/18 02:14	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-03,09 Batch: WG1165113-1										
Cyanide, Total	ND		mg/kg	0.84	0.18	1	10/06/18 16:45	10/08/18 11:34	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1165580-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/08/18 17:20	10/09/18 23:30	1,7196A	AJ
General Chemistry - Westborough Lab for sample(s): 02-03,09 Batch: WG1165581-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/08/18 17:20	10/09/18 23:30	1,7196A	AJ

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1164865-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1164916-2								
Sulfide, Reactive	80		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1164917-2								
Cyanide, Reactive	46		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 Batch: WG1165113-2 WG1165113-3								
Cyanide, Total	**77**	Q	82		80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1165580-2								
Chromium, Hexavalent	99		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,09 Batch: WG1165581-2								
Chromium, Hexavalent	99		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 QC Batch ID: WG1165113-4 WG1165113-5 QC Sample: L1840257-01 Client ID: WC01_COMP_0-5												
Cyanide, Total	ND	10	9.1	90		9.2	92		75-125	1		35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1165580-4 QC Sample: L1840257-01 Client ID: WC01_COMP_0-5												
Chromium, Hexavalent	ND	1270	1360	107		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,09 QC Batch ID: WG1165581-4 QC Sample: L1840257-09 Client ID: COMPDUP01_100418												
Chromium, Hexavalent	ND	1560	1250	80		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1840257

Report Date: 10/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04-08 QC Batch ID: WG1164636-1 QC Sample: L1840122-01 Client ID: DUP Sample						
Solids, Total	77.8	73.2	%	6		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,09 QC Batch ID: WG1164726-1 QC Sample: L1840219-01 Client ID: DUP Sample						
Solids, Total	92.6	92.0	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 QC Batch ID: WG1164865-2 QC Sample: L1839973-01 Client ID: DUP Sample						
pH	8.8	8.6	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 QC Batch ID: WG1164916-3 QC Sample: L1840261-13 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03,09 QC Batch ID: WG1164917-3 QC Sample: L1840261-13 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1165580-6 QC Sample: L1840257-01 Client ID: WC01_COMP_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,09 QC Batch ID: WG1165581-6 QC Sample: L1840257-09 Client ID: COMPDUP01_100418						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1166300-1 QC Sample: L1840810-01 Client ID: DUP Sample						
Solids, Total	85.4	87.0	%	2		20

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840257-01A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	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)
L1840257-01B	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		HEXCR-7196(30)
L1840257-01C	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840257-01D	Glass 500ml/16oz unpreserved	B	NA		3.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840257-01X	Plastic 120ml HNO3 preserved Extracts	B	NA		3.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840257-01X9	Tumble Vessel	B	NA		3.4	Y	Absent		-
L1840257-02A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.6	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)
L1840257-02B	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HEXCR-7196(30)
L1840257-02C	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840257-02D	Glass 500ml/16oz unpreserved	C	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840257-02X	Plastic 120ml HNO3 preserved Extracts	C	NA		4.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840257-02X9	Tumble Vessel	C	NA		4.6	Y	Absent		-
L1840257-03A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.6	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)
L1840257-03B	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HEXCR-7196(30)
L1840257-03C	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840257-03D	Glass 500ml/16oz unpreserved	C	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840257-03X	Plastic 120ml HNO3 preserved Extracts	C	NA		4.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840257-03X9	Tumble Vessel	C	NA		4.6	Y	Absent		-
L1840257-04A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L1840257-04B	Vial water preserved	B	NA		3.4	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-04C	Vial water preserved	B	NA		3.4	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-04D	Plastic 2oz unpreserved for TS	C	NA		4.6	Y	Absent		TS(7)
L1840257-04E	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1840257-05A	Vial MeOH preserved	C	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1840257-05B	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-05C	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-05D	Plastic 2oz unpreserved for TS	C	NA		4.6	Y	Absent		TS(7)
L1840257-05E	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1840257-06A	Vial MeOH preserved	C	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1840257-06B	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-06C	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840257-06D	Plastic 2oz unpreserved for TS	C	NA		4.6	Y	Absent		TS(7)
L1840257-06E	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1840257-07A	Vial MeOH preserved	C	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1840257-07B	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-07C	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-07D	Plastic 2oz unpreserved for TS	C	NA		4.6	Y	Absent		TS(7)
L1840257-07E	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1840257-08A	Vial MeOH preserved	C	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1840257-08B	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-08C	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-08D	Plastic 2oz unpreserved for TS	C	NA		4.6	Y	Absent		TS(7)
L1840257-08E	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1840257-09A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.6	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)
L1840257-09B	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HEXCR-7196(30)
L1840257-09C	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840257-09D	Glass 500ml/16oz unpreserved	C	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840257-09X	Plastic 120ml HNO3 preserved Extracts	C	NA		4.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840257-09X9	Tumble Vessel	C	NA		4.6	Y	Absent		-
L1840257-10A	Vial MeOH preserved	C	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1840257-10B	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-10C	Vial water preserved	C	NA		4.6	Y	Absent	05-OCT-18 11:09	NYTCL-8260HLW(14)
L1840257-10D	Plastic 2oz unpreserved for TS	C	NA		4.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1840257
Report Date: 10/25/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840257-10E	Glass 250ml/8oz unpreserved	C	NA		4.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1840257-11A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-12A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-13A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-14A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-15A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-16A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-17A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-18A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-19A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-20A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-21A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-22A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-23A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-24A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-25A	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HOLD-METAL(180)
L1840257-26A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-27A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-28A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-29A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-30A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-31A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-32A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-33A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)
L1840257-34A	Glass 120ml/4oz unpreserved	C	NA		4.6	Y	Absent		HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH ST.	**Lab Number:**	L1840257
Project Number:	170512301	**Report Date:**	10/25/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH ST.	**Lab Number:**	L1840257
Project Number:	170512301	**Report Date:**	10/25/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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: 37-11 30TH ST. **Lab Number:** L1840257

Project Number: 170512301 **Report Date:** 10/25/18

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

WC

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 4

Date Rec'd in Lab: 10/5/18

ALPHA Job #: L1840257

Client Information
Client: LANGAN DPC
Address:
Phone:
Fax:
Email: eswad@langan.com

Project Information
Project Name: 37-11 50th St
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYSDEC/NJDEP VOCs/EPH	SVOCs	Pests/Herbs	PCBs	Metals (for cyn. + trivalent chrome)	TCLP Metals	RCRA Char (Ign., Corr., Reac.)	Sample Specific Comments	Total Bottle
40257-01	WC01_COMP_0-5	10/4	1550	SOIL	AS		X	X	X	X	X	X		
02	WC01_COMP_5-10		1545				X	X	X	X	X	X		
03	WC01_COMP_10-15		1540				X	X	X	X	X	X		
04	SB02_1-2		1300			X								
05	SB02_12-13		1311			X								
06	SB10_7-8		1107			X								
07	SB01_0.5-1.5		745			X								
08	SB01_12-13		805			X								
09	COMPDUP01_100418						X	X	X	X	X	X		
10	SBDUP01_100418	↓		↓	↓	X								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	10/4/18 1730		10/4/18 1738
	10/4/18 1929	Paul Mazzella	10/4/18 1947
Paul Mazzella	10/5/18 01:05	Chris Tolbert	10/5/18 01:05

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 4

Date Rec'd in Lab: 10/5/18

ALPHA Job #: L1840257

Client Information
Client:
Address:
Phone:
Fax:
Email:

Project Information
Project Name:
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

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:
* HOLDS *

Please specify Metals or TAL.

ANALYSIS
TCLP Metals Lipids

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP Metals	Lipids	Sample Specific Comments
40257-11	SB02-0-1	10/4	1259	SOIL	MS	X		
12	SB02-1-2		1300			X		
13	SB02-3-4		1305			X		
14	SB10-0-1		1100			X		
15	SB10-2-3		1104			X		
16	SB02-7-8		1306			X		
17	SB02-8-9		1308			X		
18	SB02-9-10		1310			X		
19	SB10-8.5-9.5		1110			X		
20	SB10-7-8		1107			X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Kelly Stepplewski	10/4/18 1730		10/4/18 1730
	10/4/18 1929	Paul Mazzella	10/4/18 1929
Paul Mazzella	10/5/18 01:05	Chris Tetreau	10/5/18 01:05

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NYC - SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
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FAX: 508-822-3288

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Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
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Page 2 of 4

Date Rec'd in Lab: 10/5/18

ALPHA Job #: L1840257

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: esneed@langan.com

Project Information
Project Name: 37-11 30th St
Project Location: Queens
Project #: 170512301
(Use Project name as Project #)
Project Manager: Emily Sneed
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other

Billing Information
- Same as Client Info
PO #

Regulatory Requirement
- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- NJ
- NY
- Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:
HOLDS

Please specify Metals or TAL.

ANALYSIS
TCLP 14 Metals

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP 14 Metals	
40257-21	~~SB02~~ SB07-12-13	10/4	1311	SOIL	AS	X	
22	SB02-13-14		1313			X	
23	SB02-14-15		1315			X	
24	SB10-12-13		1111			X	
25	SB10-14-15		1116			X	
26	SB01-0.5-1.5		745			X	
27	SB01-1.5-2		748			X	
28	SB01-2-3		749			X	
29	SB01-~~7~~ 7.5-8.5		755			X	
30	SB01-8.5-9.5		801			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Alyssa Kappenberg	10/4/18 1730		10/4/18 1730
	10/4/18 1929	Paul Magella	10/4/18 1929
Paul Magella	10/5/18 01:05	Chris Gleason	10/5/18 01:05

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW JERSEY CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 4

Date Rec'd in Lab: 10/5/18

ALPHA Job #: L1840257

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: esnead@langan.com

Project Information
Project Name: 3711 30th St
Project Location: Queens
Project #: 170512301
(Use Project name as Project #)
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard: [X] Due Date:
Rush (only if pre approved): [ ] # of Days:

Deliverables
[ ] NJ Full / Reduced
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[X] ~~Other~~ ASP-B

Regulatory Requirement
[ ] SRS Residential/Non Residential
[ ] SRS Impact to Groundwater
[ ] NJ Ground Water Quality Standards
[ ] NJ IGW SPLP Leachate Criteria
[X] Other Part 375

Billing Information
[X] Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes [ ]
Petroleum Product:

These samples have been previously analyzed by Alpha [ ]

For EPH, selection is REQUIRED:
[ ] Category 1
[ ] Category 2

For VOC, selection is REQUIRED:
[ ] 1,4-Dioxane
[ ] 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

ANALYSIS
TCLP Metals 6010
VOCs

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
40257-31	SB01-9.5-10	10/4	902	Soil	AS	
32	SB01-12-13		905			
33	SB01-13-14		807			
34	~~TB01~~ SB01-14-15		809			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Lippabeck	10/4/18 1732		10/4/18 1730
Paul Magella	10/4/18 1929	Paul Magella	10/4/18 1945
Paul Magella	10/5/18 0105	Chris Tolbert	10/5/18 01:05

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.)

Form No: 01-14 HC (rev. 30-Sept-2013)

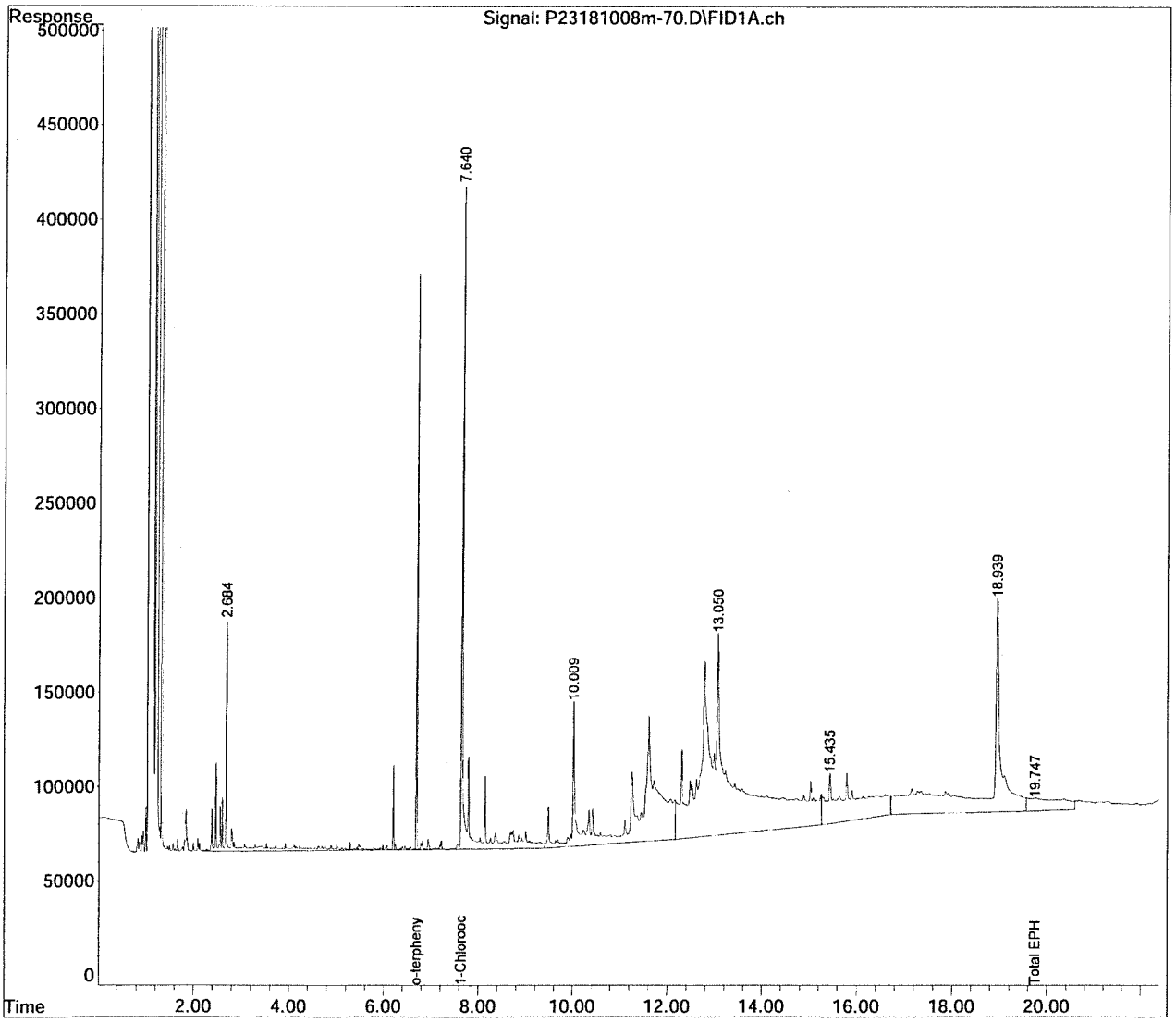
Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Petro23\181008m\
Data File : P23181008m-70.D
Signal(s) : FID1A.ch
Acq On : 08 Oct 2018 05:58 pm
Operator : Petro23a:dg
Sample : l1840257-08,42,,
Misc : wg1165301,wg1165298,ical12242
ALS Vial : 35 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 10 15:17:13 2018
Quant Method : I:\Petro23\181008m\Aliphatics160405N.M
Quant Title : NJ EPH TPH
QLast Update : Wed Oct 03 01:56:30 2018
Response via : Initial Calibration
Integrator: ChemStation

Serial_No:10251809:52

Volume Inj. :
Signal Phase :
Signal Info :



ANALYTICAL REPORT

Lab Number:	L1840502
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	10/26/18

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1840502-01	WC02_COMP_0-5	SOIL	QUEENS, NY	10/05/18 13:00	10/05/18
L1840502-02	WC02_COMP_5-10	SOIL	QUEENS, NY	10/05/18 14:00	10/05/18
L1840502-03	WC02_COMP_10-15	SOIL	QUEENS, NY	10/05/18 14:15	10/05/18
L1840502-04	WC03_COMP_0-5	SOIL	QUEENS, NY	10/05/18 16:10	10/05/18
L1840502-05	WC03_COMP_5-10	SOIL	QUEENS, NY	10/05/18 16:20	10/05/18
L1840502-06	WC03_COMP_10-15	SOIL	QUEENS, NY	10/05/18 16:30	10/05/18
L1840502-07	TRIP BLANK_100518	WATER	QUEENS, NY	10/05/18 17:00	10/05/18
L1840502-08	FIELD BLANK_100518	WATER	QUEENS, NY	10/05/18 15:00	10/05/18
L1840502-09	SB08_0-1	SOIL	QUEENS, NY	10/05/18 07:45	10/05/18
L1840502-10	SB08_1-2	SOIL	QUEENS, NY	10/05/18 07:47	10/05/18
L1840502-11	SB08_5-6	SOIL	QUEENS, NY	10/05/18 07:50	10/05/18
L1840502-12	SB08_7-8	SOIL	QUEENS, NY	10/05/18 07:52	10/05/18
L1840502-13	SB08_10-11	SOIL	QUEENS, NY	10/05/18 08:00	10/05/18
L1840502-14	SB08_11-12	SOIL	QUEENS, NY	10/05/18 08:02	10/05/18
L1840502-15	SB09_0-0.5	SOIL	QUEENS, NY	10/05/18 09:14	10/05/18
L1840502-16	SB09_2-3	SOIL	QUEENS, NY	10/05/18 09:18	10/05/18
L1840502-17	SB09_4.5-5	SOIL	QUEENS, NY	10/05/18 09:25	10/05/18
L1840502-18	SB09_8.5-9.5	SOIL	QUEENS, NY	10/05/18 09:29	10/05/18
L1840502-19	SB09_6-5	SOIL	QUEENS, NY	10/05/18 09:27	10/05/18
L1840502-20	SB09_7-8	SOIL	QUEENS, NY	10/05/18 09:28	10/05/18
L1840502-21	SB09_10-11	SOIL	QUEENS, NY	10/05/18 09:30	10/05/18
L1840502-22	SB09_11-12	SOIL	QUEENS, NY	10/05/18 09:32	10/05/18
L1840502-23	SB09_13-14	SOIL	QUEENS, NY	10/05/18 09:35	10/05/18
L1840502-24	WC03_COMP_5-10	SOIL	QUEENS, NY	10/05/18 16:20	10/05/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1840502-25	SB09_5-6	SOIL	QUEENS, NY	10/05/18 09:26	10/05/18

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

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: 37-11 30TH STREET **Lab Number:** L1840502
Project Number: 170512301 **Report Date:** 10/26/18

Case Narrative (continued)

Report Submission

October 26, 2018: This final report includes the results of all requested analyses.

October 15, 2018: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

L1840502-25 : A sample identified as "SB09_5-6" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Volatile Organics

L1840502-07: The Trip 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

The WG1166568-2/-3 LCS/LCSD recoveries, associated with L1840502-08, are below the acceptance criteria for benzidine (3%/1%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

L1840502-01 through -06 and -24: 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.

The WG1166879-3 MS recovery, performed on L1840502-01, is outside the acceptance criteria for mercury (204%). A post digestion spike was performed and was within acceptance criteria.

The WG1166879-4 Laboratory Duplicate RPD for mercury (93%), performed on L1840502-01, is outside the

Project Name: 37-11 30TH STREET **Lab Number:** L1840502
Project Number: 170512301 **Report Date:** 10/26/18

Case Narrative (continued)

acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total

The WG1165117-2/-3 LCS/LCSD recoveries (72%/78%), associated with L1840502-01 through -05, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1165156-2/-3 LCS/LCSD recoveries (73%/79%), associated with L1840502-06 and -24, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 10/26/18

ORGANICS

VOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-07
Client ID: TRIP BLANK_100518
Sample Location: QUEENS, NY
Date Collected: 10/05/18 17:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/18 17:41
Analyst: KJD

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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-07 Date Collected: 10/05/18 17:00

Client ID: TRIP BLANK_100518 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.2		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
Acrolein	ND		ug/l	5.0	0.44	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

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-07
Client ID: TRIP BLANK_100518
Sample Location: QUEENS, NY
Date Collected: 10/05/18 17:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	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
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY

Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/18 18:17
Analyst: KJD

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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08 Date Collected: 10/05/18 15:00

Client ID: FIELD BLANK_100518 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08 Date Collected: 10/05/18 15:00

Client ID: FIELD BLANK_100518 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	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
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-12
Client ID: SB08_7-8
Sample Location: QUEENS, NY

Date Collected: 10/05/18 07:52
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/11/18 14:17
Analyst: AD
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	0.92	J	ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-12 Date Collected: 10/05/18 07:52

Client ID: SB08_7-8 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	30		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.2	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-12 Date Collected: 10/05/18 07:52

Client ID: SB08_7-8 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.1	0.97	1
Acrolein	ND		ug/kg	25	5.7	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.1	0.70	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Methyl cyclohexane	ND		ug/kg	4.1	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	92		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-22
Client ID: SB09_11-12
Sample Location: QUEENS, NY

Date Collected: 10/05/18 09:32
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/11/18 14:45
Analyst: AD
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-22 Date Collected: 10/05/18 09:32

Client ID: SB09_11-12 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	24		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.4	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-22 Date Collected: 10/05/18 09:32

Client ID: SB09_11-12 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Acrolein	ND		ug/kg	26	5.9	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	100	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/18 09:35
Analyst: NLK
Percent Solids: 98%
TCLP/SPLP Ext. Date: 10/10/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	4.6	J	ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
dibromofluoromethane	106		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-25
Client ID: SB09_5-6
Sample Location: QUEENS, NY

Date Collected: 10/05/18 09:26
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/18 01:32
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-25 Date Collected: 10/05/18 09:26

Client ID: SB09_5-6 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	16		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.17	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.0	1

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-25
Client ID: SB09_5-6
Sample Location: QUEENS, NY
Date Collected: 10/05/18 09:26
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	3.9	0.93	1
Acrolein	ND		ug/kg	24	5.5	1
Cyclohexane	ND		ug/kg	9.8	0.53	1
1,4-Dioxane	ND		ug/kg	98	34.	1
Freon-113	ND		ug/kg	3.9	0.68	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/18 16:28
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1166658-5					
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: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/18 16:28
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1166658-5					
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
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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/18 16:28
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1166658-5					
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/18 16:28
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1166658-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,22 Batch: WG1166990-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,22 Batch: WG1166990-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,22 Batch: WG1166990-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,22 Batch: WG1166990-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 19:59
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 25 Batch: WG1167307-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 19:59
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 25 Batch: WG1167307-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 19:59
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 25 Batch: WG1167307-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/18 19:59
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 25 Batch: WG1167307-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	90		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/18 09:04
Analyst: NLK
TCLP/SPLP Extraction Date: 10/10/18 16:42

Extraction Date: 10/10/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 24 Batch: WG1167506-5					
Chloroform	5.3	J	ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1166658-3 WG1166658-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	91		91		63-130	0		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	94		91		70-130	3		20
Chlorobenzene	97		95		75-130	2		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		96		70-130	2		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	73		72		54-136	1		20
1,1,2,2-Tetrachloroethane	95		96		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	99		96		70-130	3		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	40		40		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1166658-3 WG1166658-4								
Vinyl chloride	120		130		55-140	8		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	98		99		61-145	1		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	92		95		70-130	3		20
1,4-Dichlorobenzene	95		95		70-130	0		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	95		96		64-130	1		20
Acrylonitrile	110		110		70-130	0		20
Tert-Butyl Alcohol	92		104		70-130	12		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	130		130		36-147	0		20
Acetone	120		110		58-148	9		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	100		94		59-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1166658-3 WG1166658-4								
2-Hexanone	100		98		57-130	2		20
Acrolein	110		120		40-160	9		20
Bromochloromethane	99		99		70-130	0		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	95		92		70-130	3		20
1,3-Dichloropropane	100		99		70-130	1		20
1,1,1,2-Tetrachloroethane	95		94		64-130	1		20
Bromobenzene	94		96		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	95		93		70-130	2		20
tert-Butylbenzene	94		92		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	73		76		41-144	4		20
Hexachlorobutadiene	88		93		63-130	6		20
Isopropylbenzene	98		95		70-130	3		20
p-Isopropyltoluene	95		94		70-130	1		20
Naphthalene	82		94		70-130	14		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	89		100		70-130	12		20
1,2,4-Trichlorobenzene	89		96		70-130	8		20
1,3,5-Trimethylbenzene	99		97		64-130	2		20
1,2,4-Trimethylbenzene	99		98		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1166658-3 WG1166658-4								
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	82		116		56-162	**34**	Q	20
Freon-113	100		100		70-130	0		20
p-Diethylbenzene	96		97		70-130	1		20
p-Ethyltoluene	97		94		70-130	3		20
1,2,4,5-Tetramethylbenzene	91		95		70-130	4		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	93		92		70-130	1		20
Methyl cyclohexane	94		85		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		116		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	103		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,22 Batch: WG1166990-3 WG1166990-4								
Methylene chloride	93		90		70-130	3		30
1,1-Dichloroethane	89		85		70-130	5		30
Chloroform	88		86		70-130	2		30
Carbon tetrachloride	71		**69**	Q	70-130	3		30
1,2-Dichloropropane	93		90		70-130	3		30
Dibromochloromethane	83		84		70-130	1		30
1,1,2-Trichloroethane	108		108		70-130	0		30
Tetrachloroethene	80		76		70-130	5		30
Chlorobenzene	89		86		70-130	3		30
Trichlorofluoromethane	107		101		70-139	6		30
1,2-Dichloroethane	87		87		70-130	0		30
1,1,1-Trichloroethane	75		72		70-130	4		30
Bromodichloromethane	81		80		70-130	1		30
trans-1,3-Dichloropropene	100		99		70-130	1		30
cis-1,3-Dichloropropene	84		83		70-130	1		30
1,1-Dichloropropene	82		76		70-130	8		30
Bromoform	84		87		70-130	4		30
1,1,2,2-Tetrachloroethane	116		117		70-130	1		30
Benzene	97		92		70-130	5		30
Toluene	102		98		70-130	4		30
Ethylbenzene	100		95		70-130	5		30
Chloromethane	82		81		52-130	1		30
Bromomethane	122		118		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,22 Batch: WG1166990-3 WG1166990-4								
Vinyl chloride	107		102		67-130	5		30
Chloroethane	116		108		50-151	7		30
1,1-Dichloroethene	88		79		65-135	11		30
trans-1,2-Dichloroethene	85		80		70-130	6		30
Trichloroethene	80		77		70-130	4		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	97		94		70-130	3		30
1,4-Dichlorobenzene	98		95		70-130	3		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	96		91		70-130	5		30
o-Xylene	89		86		70-130	3		30
cis-1,2-Dichloroethene	86		84		70-130	2		30
Dibromomethane	89		90		70-130	1		30
Styrene	90		88		70-130	2		30
Dichlorodifluoromethane	96		88		30-146	9		30
Acetone	114		114		54-140	0		30
Carbon disulfide	79		74		59-130	7		30
2-Butanone	**68**	Q	77		70-130	12		30
Vinyl acetate	**61**	Q	**62**	Q	70-130	2		30
4-Methyl-2-pentanone	95		100		70-130	5		30
1,2,3-Trichloropropane	118		119		68-130	1		30
2-Hexanone	85		88		70-130	3		30
Bromochloromethane	82		82		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,22 Batch: WG1166990-3 WG1166990-4								
2,2-Dichloropropane	79		74		70-130	7		30
1,2-Dibromoethane	101		100		70-130	1		30
1,3-Dichloropropane	110		109		69-130	1		30
1,1,1,2-Tetrachloroethane	82		80		70-130	2		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	114		107		70-130	6		30
sec-Butylbenzene	106		100		70-130	6		30
tert-Butylbenzene	99		94		70-130	5		30
o-Chlorotoluene	94		91		70-130	3		30
p-Chlorotoluene	106		102		70-130	4		30
1,2-Dibromo-3-chloropropane	92		94		68-130	2		30
Hexachlorobutadiene	88		83		67-130	6		30
Isopropylbenzene	104		98		70-130	6		30
p-Isopropyltoluene	101		96		70-130	5		30
Naphthalene	100		103		70-130	3		30
Acrylonitrile	102		102		70-130	0		30
Tert-Butyl Alcohol	76		81		70-130	6		30
n-Propylbenzene	110		104		70-130	6		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	98		95		70-130	3		30
1,3,5-Trimethylbenzene	103		100		70-130	3		30
1,2,4-Trimethylbenzene	104		100		70-130	4		30
Methyl Acetate	92		94		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,22 Batch: WG1166990-3 WG1166990-4								
Acrolein	77		78		70-130	1		30
Cyclohexane	74		68		59-142	8		30
1,4-Dioxane	99		101		65-136	2		30
Freon-113	75		70		50-139	7		30
p-Diethylbenzene	98		92		70-130	6		30
p-Ethyltoluene	100		96		70-130	4		30
1,2,4,5-Tetramethylbenzene	96		92		70-130	4		30
Ethyl ether	121		124		67-130	2		30
trans-1,4-Dichloro-2-butene	103		105		70-130	2		30
Methyl cyclohexane	78		74		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	109		109		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 25 Batch: WG1167307-3 WG1167307-4								
Methylene chloride	90		91		70-130	1		30
1,1-Dichloroethane	100		99		70-130	1		30
Chloroform	93		91		70-130	2		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	100		96		70-130	4		30
Chlorobenzene	98		97		70-130	1		30
Trichlorofluoromethane	92		90		70-139	2		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	96		96		70-130	0		30
Bromodichloromethane	89		90		70-130	1		30
trans-1,3-Dichloropropene	89		88		70-130	1		30
cis-1,3-Dichloropropene	86		86		70-130	0		30
1,1-Dichloropropene	88		88		70-130	0		30
Bromoform	96		92		70-130	4		30
1,1,2,2-Tetrachloroethane	96		92		70-130	4		30
Benzene	89		87		70-130	2		30
Toluene	95		94		70-130	1		30
Ethylbenzene	95		93		70-130	2		30
Chloromethane	118		116		52-130	2		30
Bromomethane	102		94		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 25 Batch: WG1167307-3 WG1167307-4								
Vinyl chloride	81		80		67-130	1		30
Chloroethane	69		68		50-151	1		30
1,1-Dichloroethene	101		99		65-135	2		30
trans-1,2-Dichloroethene	98		97		70-130	1		30
Trichloroethene	95		93		70-130	2		30
1,2-Dichlorobenzene	107		104		70-130	3		30
1,3-Dichlorobenzene	106		103		70-130	3		30
1,4-Dichlorobenzene	108		105		70-130	3		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	98		96		70-130	2		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	96		95		70-130	1		30
Dibromomethane	92		90		70-130	2		30
Styrene	97		96		70-130	1		30
Dichlorodifluoromethane	90		87		30-146	3		30
Acetone	117		106		54-140	10		30
Carbon disulfide	83		81		59-130	2		30
2-Butanone	116		112		70-130	4		30
Vinyl acetate	101		100		70-130	1		30
4-Methyl-2-pentanone	105		99		70-130	6		30
1,2,3-Trichloropropane	94		90		68-130	4		30
2-Hexanone	107		104		70-130	3		30
Bromochloromethane	107		105		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 25 Batch: WG1167307-3 WG1167307-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	98		95		70-130	3		30
1,3-Dichloropropane	87		87		69-130	0		30
1,1,1,2-Tetrachloroethane	101		99		70-130	2		30
Bromobenzene	104		102		70-130	2		30
n-Butylbenzene	104		100		70-130	4		30
sec-Butylbenzene	108		104		70-130	4		30
tert-Butylbenzene	110		107		70-130	3		30
o-Chlorotoluene	115		113		70-130	2		30
p-Chlorotoluene	99		97		70-130	2		30
1,2-Dibromo-3-chloropropane	97		90		68-130	7		30
Hexachlorobutadiene	93		90		67-130	3		30
Isopropylbenzene	108		104		70-130	4		30
p-Isopropyltoluene	110		107		70-130	3		30
Naphthalene	109		104		70-130	5		30
Acrylonitrile	116		114		70-130	2		30
Tert-Butyl Alcohol	90		84		70-130	7		30
n-Propylbenzene	102		100		70-130	2		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	102		98		70-130	4		30
1,3,5-Trimethylbenzene	107		103		70-130	4		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30
Methyl Acetate	120		116		51-146	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 25 Batch: WG1167307-3 WG1167307-4								
Acrolein	80		80		70-130	0		30
Cyclohexane	109		109		59-142	0		30
1,4-Dioxane	83		78		65-136	6		30
Freon-113	98		94		50-139	4		30
p-Diethylbenzene	101		99		70-130	2		30
p-Ethyltoluene	99		96		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		96		70-130	3		30
Ethyl ether	86		86		67-130	0		30
trans-1,4-Dichloro-2-butene	112		107		70-130	5		30
Methyl cyclohexane	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	95		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 24 Batch: WG1167506-3 WG1167506-4								
Chloroform	120		110		70-130	9		20
Carbon tetrachloride	110		110		63-132	0		20
Tetrachloroethene	92		92		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	120		120		70-130	0		20
Benzene	110		110		70-130	0		25
Vinyl chloride	97		95		55-140	2		20
1,1-Dichloroethene	87		84		61-145	4		25
Trichloroethene	110		110		70-130	0		25
1,4-Dichlorobenzene	100		100		70-130	0		20
2-Butanone	**150**	Q	**140**	Q	63-138	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		107		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	95		96		70-130
dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/18 15:16
Analyst: JG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Benzidine	ND		ug/kg	610	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	160		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		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	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01 Date Collected: 10/05/18 13:00

Client ID: WC02_COMP_0-5 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	170		ug/kg	110	21.	1
Benzo(a)pyrene	150		ug/kg	150	45.	1
Benzo(b)fluoranthene	620		ug/kg	110	31.	1
Benzo(k)fluoranthene	190		ug/kg	110	30.	1
Chrysene	330		ug/kg	110	19.	1
Acenaphthylene	59	J	ug/kg	150	29.	1
Anthracene	85	J	ug/kg	110	36.	1
Benzo(ghi)perylene	320		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	88	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	68	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	350		ug/kg	150	26.	1
Pyrene	150		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	370	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	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	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01 Date Collected: 10/05/18 13:00

Client ID: WC02_COMP_0-5 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	65		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/18 15:40
Analyst: JG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	560	180	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
Azobenzene	ND		ug/kg	170	16.	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	20.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02 Date Collected: 10/05/18 14:00

Client ID: WC02_COMP_5-10 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
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
n-Nitrosodimethylamine	ND		ug/kg	340	33.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02 Date Collected: 10/05/18 14:00

Client ID: WC02_COMP_5-10 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
Atrazine	ND		ug/kg	140	60.	1
Benzaldehyde	ND		ug/kg	230	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	72		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/18 16:05
Analyst: JG
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	560	180	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	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
Azobenzene	ND		ug/kg	170	16.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03 Date Collected: 10/05/18 14:15

Client ID: WC02_COMP_10-15 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
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	16.	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	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
n-Nitrosodimethylamine	ND		ug/kg	340	33.	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	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	37.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03 Date Collected: 10/05/18 14:15

Client ID: WC02_COMP_10-15 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	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	16.	1
Atrazine	ND		ug/kg	140	60.	1
Benzaldehyde	ND		ug/kg	220	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	65		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/18 16:29
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	34	J	ug/kg	150	19.	1
Benzidine	ND		ug/kg	600	200	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	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Azobenzene	ND		ug/kg	180	18.	1
Fluoranthene	340		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	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04 Date Collected: 10/05/18 16:10

Client ID: WC03_COMP_0-5 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
Benzo(a)anthracene	180		ug/kg	110	20.	1
Benzo(a)pyrene	140	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	180		ug/kg	110	31.	1
Benzo(k)fluoranthene	66	J	ug/kg	110	29.	1
Chrysene	170		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	63	J	ug/kg	110	36.	1
Benzo(ghi)perylene	84	J	ug/kg	150	22.	1
Fluorene	23	J	ug/kg	180	18.	1
Phenanthrene	260		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	94	J	ug/kg	150	25.	1
Pyrene	300		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
n-Nitrosodimethylamine	ND		ug/kg	360	35.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04 Date Collected: 10/05/18 16:10

Client ID: WC03_COMP_0-5 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	24	J	ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	49.	1
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	69		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/18 16:53
Analyst: JG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	560	180	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	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
Azobenzene	ND		ug/kg	170	16.	1
Fluoranthene	ND		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	140	27.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05 Date Collected: 10/05/18 16:20

Client ID: WC03_COMP_5-10 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	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	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	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	39.	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	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
n-Nitrosodimethylamine	ND		ug/kg	340	32.	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	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	140	37.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05 Date Collected: 10/05/18 16:20

Client ID: WC03_COMP_5-10 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	26.	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	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1
Atrazine	ND		ug/kg	140	59.	1
Benzaldehyde	ND		ug/kg	220	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	73		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/18 17:18
Analyst: JG
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	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
Azobenzene	ND		ug/kg	170	17.	1
Fluoranthene	24	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	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	170	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	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06 Date Collected: 10/05/18 16:30

Client ID: WC03_COMP_10-15 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	37.	1
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	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	19	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	34.	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
n-Nitrosodimethylamine	ND		ug/kg	350	34.	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	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06 Date Collected: 10/05/18 16:30

Client ID: WC03_COMP_10-15 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	170	54.	1
Carbazole	ND		ug/kg	170	17.	1
Atrazine	ND		ug/kg	140	61.	1
Benzaldehyde	ND		ug/kg	230	47.	1
Caprolactam	ND		ug/kg	170	53.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	77		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY

Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/12/18 10:19
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 10/11/18 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
Benzidine	ND		ug/l	20	1.8	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Azobenzene	ND		ug/l	2.0	0.37	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	0.56	J	ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08 Date Collected: 10/05/18 15:00

Client ID: FIELD BLANK_100518 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
n-Nitrosodimethylamine	ND		ug/l	2.0	0.76	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08 Date Collected: 10/05/18 15:00

Client ID: FIELD BLANK_100518 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	71		41-149

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/12/18 14:06
Analyst: JG
Percent Solids: 98%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Extraction Method: EPA 3510C
Extraction Date: 10/11/18 15:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	70		33-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/12/18 21:06
Analyst: EK
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/10/18 20:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	560	180	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
Azobenzene	ND		ug/kg	170	16.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24 Date Collected: 10/05/18 16:20

Client ID: WC03_COMP_5-10 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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
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	16.	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
n-Nitrosodimethylamine	ND		ug/kg	340	33.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24 Date Collected: 10/05/18 16:20

Client ID: WC03_COMP_5-10 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	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	16.	1
Atrazine	ND		ug/kg	140	60.	1
Benzaldehyde	ND		ug/kg	220	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	72		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 08:47
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1165794-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	550	180
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.
Azobenzene	ND		ug/kg	160	16.
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	26.
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.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 08:47
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1165794-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
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	26.
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.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 08:47
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/09/18 09:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1165794-1					
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
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	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	82		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 08:54
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/10/18 07:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24 Batch: WG1166261-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
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	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.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	98	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	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	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	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 08:54
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/10/18 07:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24 Batch: WG1166261-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
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	28.
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	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.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
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.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 08:54
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/10/18 07:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24 Batch: WG1166261-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
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	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	79		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 11:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/10/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1166568-1					
Acenaphthene	ND		ug/l	2.0	0.44
Benzidine	ND		ug/l	20	1.8
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Azobenzene	ND		ug/l	2.0	0.37
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 11:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/10/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1166568-1					
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
n-Nitrosodimethylamine	ND		ug/l	2.0	0.76
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/18 11:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/10/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1166568-1					
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	72		41-149

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/12/18 09:08
Analyst: RC
TCLP/SPLP Extraction Date: 10/06/18 13:37

Extraction Method: EPA 3510C
Extraction Date: 10/11/18 15:38

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 24 Batch: WG1167111-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	82		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1165794-2 WG1165794-3								
Acenaphthene	75		78		31-137	4		50
Benzidine	36		38		10-66	5		50
1,2,4-Trichlorobenzene	72		74		38-107	3		50
Hexachlorobenzene	80		83		40-140	4		50
Bis(2-chloroethyl)ether	67		75		40-140	11		50
2-Chloronaphthalene	75		79		40-140	5		50
1,2-Dichlorobenzene	68		74		40-140	8		50
1,3-Dichlorobenzene	68		73		40-140	7		50
1,4-Dichlorobenzene	68		73		28-104	7		50
3,3'-Dichlorobenzidine	58		59		40-140	2		50
2,4-Dinitrotoluene	79		82		40-132	4		50
2,6-Dinitrotoluene	78		79		40-140	1		50
Azobenzene	81		80		40-140	1		50
Fluoranthene	78		79		40-140	1		50
4-Chlorophenyl phenyl ether	78		78		40-140	0		50
4-Bromophenyl phenyl ether	80		82		40-140	2		50
Bis(2-chloroisopropyl)ether	65		69		40-140	6		50
Bis(2-chloroethoxy)methane	70		74		40-117	6		50
Hexachlorobutadiene	73		76		40-140	4		50
Hexachlorocyclopentadiene	64		68		40-140	6		50
Hexachloroethane	70		73		40-140	4		50
Isophorone	74		76		40-140	3		50
Naphthalene	72		78		40-140	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1165794-2 WG1165794-3								
Nitrobenzene	73		76		40-140	4		50
NDPA/DPA	81		82		36-157	1		50
n-Nitrosodi-n-propylamine	72		75		32-121	4		50
Bis(2-ethylhexyl)phthalate	86		90		40-140	5		50
Butyl benzyl phthalate	81		84		40-140	4		50
Di-n-butylphthalate	80		82		40-140	2		50
Di-n-octylphthalate	89		93		40-140	4		50
Diethyl phthalate	81		82		40-140	1		50
Dimethyl phthalate	79		83		40-140	5		50
Benzo(a)anthracene	72		75		40-140	4		50
Benzo(a)pyrene	78		80		40-140	3		50
Benzo(b)fluoranthene	82		84		40-140	2		50
Benzo(k)fluoranthene	76		80		40-140	5		50
Chrysene	76		80		40-140	5		50
Acenaphthylene	78		80		40-140	3		50
Anthracene	80		82		40-140	2		50
Benzo(ghi)perylene	71		75		40-140	5		50
Fluorene	78		80		40-140	3		50
Phenanthrene	77		79		40-140	3		50
Dibenzo(a,h)anthracene	75		79		40-140	5		50
Indeno(1,2,3-cd)pyrene	73		77		40-140	5		50
Pyrene	75		78		35-142	4		50
Biphenyl	79		83		54-104	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1165794-2 WG1165794-3								
4-Chloroaniline	54		56		40-140	4		50
2-Nitroaniline	79		83		47-134	5		50
3-Nitroaniline	68		69		26-129	1		50
4-Nitroaniline	76		82		41-125	8		50
Dibenzofuran	79		80		40-140	1		50
2-Methylnaphthalene	75		79		40-140	5		50
1,2,4,5-Tetrachlorobenzene	76		80		40-117	5		50
Acetophenone	75		80		14-144	6		50
n-Nitrosodimethylamine	58		64		22-100	10		50
2,4,6-Trichlorophenol	79		81		30-130	3		50
p-Chloro-m-cresol	82		86		26-103	5		50
2-Chlorophenol	75		80		25-102	6		50
2,4-Dichlorophenol	80		84		30-130	5		50
2,4-Dimethylphenol	84		88		30-130	5		50
2-Nitrophenol	75		79		30-130	5		50
4-Nitrophenol	85		90		11-114	6		50
2,4-Dinitrophenol	60		65		4-130	8		50
4,6-Dinitro-o-cresol	66		71		10-130	7		50
Pentachlorophenol	75		79		17-109	5		50
Phenol	72		75		26-90	4		50
2-Methylphenol	78		80		30-130.	3		50
3-Methylphenol/4-Methylphenol	83		86		30-130	4		50
2,4,5-Trichlorophenol	80		86		30-130	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1165794-2 WG1165794-3								
Benzoic Acid	26		28		10-110	7		50
Benzyl Alcohol	82		83		40-140	1		50
Carbazole	79		82		54-128	4		50
Atrazine	86		86		40-140	0		50
Benzaldehyde	60		66		40-140	10		50
Caprolactam	72		79		15-130	9		50
2,3,4,6-Tetrachlorophenol	83		85		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		77		25-120
Phenol-d6	76		79		10-120
Nitrobenzene-d5	74		77		23-120
2-Fluorobiphenyl	76		78		30-120
2,4,6-Tribromophenol	87		87		10-136
4-Terphenyl-d14	69		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24 Batch: WG1166261-2 WG1166261-3								
Acenaphthene	78		70		31-137	11		50
Benzidine	40		34		10-66	16		50
1,2,4-Trichlorobenzene	80		71		38-107	12		50
Hexachlorobenzene	74		67		40-140	10		50
Bis(2-chloroethyl)ether	83		73		40-140	13		50
2-Chloronaphthalene	79		70		40-140	12		50
1,2-Dichlorobenzene	80		69		40-140	15		50
1,3-Dichlorobenzene	76		66		40-140	14		50
1,4-Dichlorobenzene	78		67		28-104	15		50
3,3'-Dichlorobenzidine	65		57		40-140	13		50
2,4-Dinitrotoluene	81		72		40-132	12		50
2,6-Dinitrotoluene	79		70		40-140	12		50
Azobenzene	87		77		40-140	12		50
Fluoranthene	78		71		40-140	9		50
4-Chlorophenyl phenyl ether	78		70		40-140	11		50
4-Bromophenyl phenyl ether	79		69		40-140	14		50
Bis(2-chloroisopropyl)ether	116		103		40-140	12		50
Bis(2-chloroethoxy)methane	85		77		40-117	10		50
Hexachlorobutadiene	75		65		40-140	14		50
Hexachlorocyclopentadiene	84		73		40-140	14		50
Hexachloroethane	79		70		40-140	12		50
Isophorone	87		78		40-140	11		50
Naphthalene	78		69		40-140	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24 Batch: WG1166261-2 WG1166261-3								
Nitrobenzene	85		74		40-140	14		50
NDPA/DPA	78		70		36-157	11		50
n-Nitrosodi-n-propylamine	88		78		32-121	12		50
Bis(2-ethylhexyl)phthalate	84		77		40-140	9		50
Butyl benzyl phthalate	82		76		40-140	8		50
Di-n-butylphthalate	82		75		40-140	9		50
Di-n-octylphthalate	87		80		40-140	8		50
Diethyl phthalate	79		71		40-140	11		50
Dimethyl phthalate	80		71		40-140	12		50
Benzo(a)anthracene	75		68		40-140	10		50
Benzo(a)pyrene	76		69		40-140	10		50
Benzo(b)fluoranthene	73		67		40-140	9		50
Benzo(k)fluoranthene	76		68		40-140	11		50
Chrysene	76		69		40-140	10		50
Acenaphthylene	81		72		40-140	12		50
Anthracene	80		71		40-140	12		50
Benzo(ghi)perylene	75		68		40-140	10		50
Fluorene	79		70		40-140	12		50
Phenanthrene	77		70		40-140	10		50
Dibenzo(a,h)anthracene	75		68		40-140	10		50
Indeno(1,2,3-cd)pyrene	75		68		40-140	10		50
Pyrene	78		70		35-142	11		50
Biphenyl	82		73		54-104	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24 Batch: WG1166261-2 WG1166261-3								
4-Chloroaniline	84		74		40-140	13		50
2-Nitroaniline	82		74		47-134	10		50
3-Nitroaniline	70		60		26-129	15		50
4-Nitroaniline	81		71		41-125	13		50
Dibenzofuran	79		71		40-140	11		50
2-Methylnaphthalene	80		70		40-140	13		50
1,2,4,5-Tetrachlorobenzene	80		71		40-117	12		50
Acetophenone	84		75		14-144	11		50
n-Nitrosodimethylamine	84		74		22-100	13		50
2,4,6-Trichlorophenol	82		73		30-130	12		50
p-Chloro-m-cresol	81		72		26-103	12		50
2-Chlorophenol	83		74		25-102	11		50
2,4-Dichlorophenol	84		76		30-130	10		50
2,4-Dimethylphenol	87		78		30-130	11		50
2-Nitrophenol	85		75		30-130	13		50
4-Nitrophenol	94		84		11-114	11		50
2,4-Dinitrophenol	64		59		4-130	8		50
4,6-Dinitro-o-cresol	82		73		10-130	12		50
Pentachlorophenol	79		70		17-109	12		50
Phenol	86		77		26-90	11		50
2-Methylphenol	87		77		30-130.	12		50
3-Methylphenol/4-Methylphenol	84		75		30-130	11		50
2,4,5-Trichlorophenol	81		72		30-130	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24 Batch: WG1166261-2 WG1166261-3								
Benzoic Acid	43		41		10-110	5		50
Benzyl Alcohol	89		80		40-140	11		50
Carbazole	78		70		54-128	11		50
Atrazine	80		73		40-140	9		50
Benzaldehyde	72		65		40-140	10		50
Caprolactam	126		110		15-130	14		50
2,3,4,6-Tetrachlorophenol	83		73		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		77		25-120
Phenol-d6	92		81		10-120
Nitrobenzene-d5	88		78		23-120
2-Fluorobiphenyl	83		73		30-120
2,4,6-Tribromophenol	77		70		10-136
4-Terphenyl-d14	80		73		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1166568-2 WG1166568-3								
Acenaphthene	71		66		37-111	7		30
Benzidine	**3**	Q	**1**	Q	10-75	**101**	Q	30
1,2,4-Trichlorobenzene	63		61		39-98	3		30
Hexachlorobenzene	67		56		40-140	18		30
Bis(2-chloroethyl)ether	71		70		40-140	1		30
2-Chloronaphthalene	69		62		40-140	11		30
1,2-Dichlorobenzene	66		63		40-140	5		30
1,3-Dichlorobenzene	64		63		40-140	2		30
1,4-Dichlorobenzene	65		60		36-97	8		30
3,3'-Dichlorobenzidine	56		52		40-140	7		30
2,4-Dinitrotoluene	75		67		48-143	11		30
2,6-Dinitrotoluene	76		66		40-140	14		30
Azobenzene	81		73		40-140	10		30
Fluoranthene	67		60		40-140	11		30
4-Chlorophenyl phenyl ether	71		64		40-140	10		30
4-Bromophenyl phenyl ether	70		57		40-140	20		30
Bis(2-chloroisopropyl)ether	76		74		40-140	3		30
Bis(2-chloroethoxy)methane	74		70		40-140	6		30
Hexachlorobutadiene	57		56		40-140	2		30
Hexachlorocyclopentadiene	54		54		40-140	0		30
Hexachloroethane	66		66		40-140	0		30
Isophorone	74		71		40-140	4		30
Naphthalene	69		66		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1166568-2 WG1166568-3								
Nitrobenzene	74		71		40-140	4		30
NDPA/DPA	74		66		40-140	11		30
n-Nitrosodi-n-propylamine	77		74		29-132	4		30
Bis(2-ethylhexyl)phthalate	77		74		40-140	4		30
Butyl benzyl phthalate	71		65		40-140	9		30
Di-n-butylphthalate	72		66		40-140	9		30
Di-n-octylphthalate	72		67		40-140	7		30
Diethyl phthalate	81		70		40-140	15		30
Dimethyl phthalate	77		68		40-140	12		30
Benzo(a)anthracene	70		66		40-140	6		30
Benzo(a)pyrene	72		65		40-140	10		30
Benzo(b)fluoranthene	70		58		40-140	19		30
Benzo(k)fluoranthene	72		64		40-140	12		30
Chrysene	74		66		40-140	11		30
Acenaphthylene	70		63		45-123	11		30
Anthracene	74		68		40-140	8		30
Benzo(ghi)perylene	76		68		40-140	11		30
Fluorene	75		67		40-140	11		30
Phenanthrene	72		64		40-140	12		30
Dibenzo(a,h)anthracene	79		70		40-140	12		30
Indeno(1,2,3-cd)pyrene	78		69		40-140	12		30
Pyrene	66		59		26-127	11		30
Biphenyl	70		63		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1166568-2 WG1166568-3								
4-Chloroaniline	55		53		40-140	4		30
2-Nitroaniline	73		67		52-143	9		30
3-Nitroaniline	67		61		25-145	9		30
4-Nitroaniline	68		64		51-143	6		30
Dibenzofuran	72		63		40-140	13		30
2-Methylnaphthalene	67		64		40-140	5		30
1,2,4,5-Tetrachlorobenzene	59		58		2-134	2		30
Acetophenone	71		67		39-129	6		30
n-Nitrosodimethylamine	55		55		22-74	0		30
2,4,6-Trichlorophenol	65		60		30-130	8		30
p-Chloro-m-cresol	70		65		23-97	7		30
2-Chlorophenol	68		69		27-123	1		30
2,4-Dichlorophenol	73		70		30-130	4		30
2,4-Dimethylphenol	60		69		30-130	14		30
2-Nitrophenol	79		78		30-130	1		30
4-Nitrophenol	73		62		10-80	16		30
2,4-Dinitrophenol	68		63		20-130	8		30
4,6-Dinitro-o-cresol	72		68		20-164	6		30
Pentachlorophenol	57		54		9-103	5		30
Phenol	52		51		12-110	2		30
2-Methylphenol	70		66		30-130	6		30
3-Methylphenol/4-Methylphenol	72		67		30-130	7		30
2,4,5-Trichlorophenol	69		65		30-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1166568-2 WG1166568-3								
Benzoic Acid	67		69		10-164	3		30
Benzyl Alcohol	66		62		26-116	6		30
Carbazole	71		64		55-144	10		30
Atrazine	73		62		40-140	16		30
Benzaldehyde	63		60		40-140	5		30
Caprolactam	39		39		10-130	0		30
2,3,4,6-Tetrachlorophenol	69		62		40-140	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		56		21-120
Phenol-d6	51		51		10-120
Nitrobenzene-d5	77		72		23-120
2-Fluorobiphenyl	71		65		15-120
2,4,6-Tribromophenol	66		58		10-120
4-Terphenyl-d14	63		59		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 24 Batch: WG1167111-2 WG1167111-3								
Hexachlorobenzene	75		67		40-140	11		30
2,4-Dinitrotoluene	82		73		40-132	12		30
Hexachlorobutadiene	66		59		28-111	11		30
Hexachloroethane	66		60		21-105	10		30
Nitrobenzene	79		71		40-140	11		30
2,4,6-Trichlorophenol	80		73		30-130	9		30
Pentachlorophenol	83		78		9-103	6		30
2-Methylphenol	81		70		30-130	15		30
3-Methylphenol/4-Methylphenol	79		70		30-130	12		30
2,4,5-Trichlorophenol	81		73		30-130	10		30
Pyridine	36		46		10-66	24		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		66		21-120
Phenol-d6	75		65		10-120
Nitrobenzene-d5	80		71		23-120
2-Fluorobiphenyl	78		68		15-120
2,4,6-Tribromophenol	75		68		10-120
4-Terphenyl-d14	78		72		33-120

PETROLEUM HYDROCARBONS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY

Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/13/18 13:33
Analyst: DG

Extraction Method: EPA 3510C
Extraction Date: 10/12/18 08:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		ug/l	360	360.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		40-140
o-Terphenyl	90		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-12
Client ID: SB08_7-8
Sample Location: QUEENS, NY

Date Collected: 10/05/18 07:52
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/11/18 11:23
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/10/18 19:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	24.4	24.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		40-140
o-Terphenyl	86		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-22
Client ID: SB09_11-12
Sample Location: QUEENS, NY

Date Collected: 10/05/18 09:32
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/11/18 08:57
Analyst: LL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/18 19:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.5	26.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	92		40-140
o-Terphenyl	92		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-25
Client ID: SB09_5-6
Sample Location: QUEENS, NY

Date Collected: 10/05/18 09:26
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/11/18 09:25
Analyst: LL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/10/18 19:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	24.3	24.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	94		40-140
o-Terphenyl	92		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 10/11/18 08:54
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 10/10/18 19:19

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 12,22,25 Batch: WG1166639-1					
Total EPH	ND		mg/kg	22.7	22.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	79		40-140
o-Terphenyl	77		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 10/13/18 11:04
Analyst: DG

Extraction Method: EPA 3510C
Extraction Date: 10/12/18 08:31

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 08 Batch: WG1167375-1					
Total EPH	ND		ug/l	360	360.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	97		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,22,25 Batch: WG1166639-2 WG1166639-3								
Total EPH	100		107		40-140	7		25
Nonane (C9)	75		76		40-140	1		25
Decane (C10)	83		86		40-140	4		25
Dodecane (C12)	83		85		40-140	2		25
Tetradecane (C14)	84		86		40-140	2		25
Hexadecane (C16)	88		93		40-140	6		25
Octadecane (C18)	93		100		40-140	7		25
Eicosane (C20)	93		100		40-140	7		25
Heneicosane (C21)	93		101		40-140	8		25
Docosane (C22)	93		101		40-140	8		25
Tetracosane (C24)	94		101		40-140	7		25
Hexacosane (C26)	94		102		40-140	8		25
Octacosane (C28)	94		102		40-140	8		25
Triacontane (C30)	94		102		40-140	8		25
Dotriacontane (C32)	95		103		40-140	8		25
Tetratriacontane (C34)	94		102		40-140	8		25
Hexatriacontane (C36)	98		106		40-140	8		25
Octatriacontane (C38)	100		108		40-140	8		25
Tetracontane (C40)	107		115		40-140	7		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 12,22,25		Batch: WG1166639-2		WG1166639-3			

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	83		89		40-140
o-Terphenyl	83		88		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 Batch: WG1167375-2 WG1167375-3								
Total EPH	124		111		40-140	11		25
Nonane (C9)	82		83		40-140	1		25
Decane (C10)	97		98		40-140	1		25
Dodecane (C12)	96		96		40-140	0		25
Tetradecane (C14)	96		97		40-140	1		25
Hexadecane (C16)	102		101		40-140	1		25
Octadecane (C18)	108		106		40-140	2		25
Eicosane (C20)	110		106		40-140	4		25
Heneicosane (C21)	110		107		40-140	3		25
Docosane (C22)	110		107		40-140	3		25
Tetracosane (C24)	111		107		40-140	4		25
Hexacosane (C26)	112		108		40-140	4		25
Octacosane (C28)	111		108		40-140	3		25
Triacontane (C30)	111		108		40-140	3		25
Dotriacontane (C32)	111		109		40-140	2		25
Tetratriacontane (C34)	112		108		40-140	4		25
Hexatriacontane (C36)	117		114		40-140	3		25
Octatriacontane (C38)	114		112		40-140	2		25
Tetracontane (C40)	117		115		40-140	2		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 Batch: WG1167375-2 WG1167375-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	94		93		40-140
o-Terphenyl	97		95		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,22,25 QC Batch ID: WG1166639-4 QC Sample: L1840502-12 Client ID: SB08_7-8												
Total EPH	ND	246	266	108		-	-		40-140	-		50
Nonane (C9)	ND	6.84	5.45	80		-	-		40-140	-		50
Decane (C10)	ND	6.84	6.08	89		-	-		40-140	-		50
Dodecane (C12)	ND	6.84	5.97	87		-	-		40-140	-		50
Tetradecane (C14)	ND	6.84	6.03	88		-	-		40-140	-		50
Hexadecane (C16)	ND	6.84	6.46	95		-	-		40-140	-		50
Octadecane (C18)	ND	6.84	6.84	100		-	-		40-140	-		50
Eicosane (C20)	ND	6.84	6.86	100		-	-		40-140	-		50
Heneicosane (C21)	ND	6.84	6.89	101		-	-		40-140	-		50
Docosane (C22)	ND	6.84	6.89	101		-	-		40-140	-		50
Tetracosane (C24)	ND	6.84	6.93	101		-	-		40-140	-		50
Hexacosane (C26)	ND	6.84	6.99	102		-	-		40-140	-		50
Octacosane (C28)	ND	6.84	6.98	102		-	-		40-140	-		50
Triacontane (C30)	ND	6.84	6.99	102		-	-		40-140	-		50
Dotriacontane (C32)	ND	6.84	7.05	103		-	-		40-140	-		50
Tetratriacontane (C34)	ND	6.84	7.03	103		-	-		40-140	-		50
Hexatriacontane (C36)	ND	6.84	7.24	106		-	-		40-140	-		50
Octatriacontane (C38)	ND	6.84	7.34	107		-	-		40-140	-		50
Tetracontane (C40)	ND	6.84	7.82	114		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	87				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,22,25 QC Batch ID: WG1166639-4 QC Sample: L1840502-12 Client ID: SB08_7-8												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	88				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1167375-4 QC Sample: L1800013-266 Client ID: MS Sample												
Total EPH	ND	3600	4600	128		-	-		40-140	-		50
Nonane (C9)	ND	100	89.1	89		-	-		40-140	-		50
Decane (C10)	ND	100	106	106		-	-		40-140	-		50
Dodecane (C12)	ND	100	102	102		-	-		40-140	-		50
Tetradecane (C14)	ND	100	102	102		-	-		40-140	-		50
Hexadecane (C16)	ND	100	105	105		-	-		40-140	-		50
Octadecane (C18)	ND	100	109	109		-	-		40-140	-		50
Eicosane (C20)	ND	100	109	109		-	-		40-140	-		50
Heneicosane (C21)	ND	100	110	110		-	-		40-140	-		50
Docosane (C22)	ND	100	109	109		-	-		40-140	-		50
Tetracosane (C24)	ND	100	110	110		-	-		40-140	-		50
Hexacosane (C26)	ND	100	111	111		-	-		40-140	-		50
Octacosane (C28)	ND	100	110	110		-	-		40-140	-		50
Triacontane (C30)	ND	100	111	111		-	-		40-140	-		50
Dotriacontane (C32)	ND	100	111	111		-	-		40-140	-		50
Tetratriacontane (C34)	ND	100	110	110		-	-		40-140	-		50
Hexatriacontane (C36)	ND	100	119	119		-	-		40-140	-		50
Octatriacontane (C38)	ND	100	115	115		-	-		40-140	-		50
Tetracontane (C40)	ND	100	118	118		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	92				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1167375-4 QC Sample: L1800013-266 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	98				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,22,25 QC Batch ID: WG1166639-5 QC Sample: L1840502-12 Client ID: SB08_7-8						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		85		40-140
o-Terphenyl	86		85		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1167375-5 QC Sample: L1800013-266 Client ID: DUP Sample						
Total EPH	ND	ND	ug/l	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	90		90		40-140
o-Terphenyl	96		92		40-140

PCBS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/10/18 18:44
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.78	1	A
Aroclor 1242	ND		ug/kg	36.7	4.94	1	A
Aroclor 1248	ND		ug/kg	36.7	5.50	1	A
Aroclor 1254	ND		ug/kg	36.7	4.01	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/10/18 18:57
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.7	2.99	1	A
Aroclor 1221	ND		ug/kg	33.7	3.38	1	A
Aroclor 1232	ND		ug/kg	33.7	7.15	1	A
Aroclor 1242	ND		ug/kg	33.7	4.54	1	A
Aroclor 1248	ND		ug/kg	33.7	5.06	1	A
Aroclor 1254	ND		ug/kg	33.7	3.69	1	A
Aroclor 1260	ND		ug/kg	33.7	6.23	1	A
Aroclor 1262	ND		ug/kg	33.7	4.28	1	A
Aroclor 1268	ND		ug/kg	33.7	3.49	1	A
PCBs, Total	ND		ug/kg	33.7	2.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/10/18 19:09
Analyst: HT
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	2.97	1	A
Aroclor 1221	ND		ug/kg	33.4	3.35	1	A
Aroclor 1232	ND		ug/kg	33.4	7.09	1	A
Aroclor 1242	ND		ug/kg	33.4	4.51	1	A
Aroclor 1248	ND		ug/kg	33.4	5.02	1	A
Aroclor 1254	ND		ug/kg	33.4	3.66	1	A
Aroclor 1260	ND		ug/kg	33.4	6.18	1	A
Aroclor 1262	ND		ug/kg	33.4	4.25	1	A
Aroclor 1268	ND		ug/kg	33.4	3.46	1	A
PCBs, Total	ND		ug/kg	33.4	2.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/10/18 19:21
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.66	1	A
Aroclor 1232	ND		ug/kg	36.5	7.73	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.47	1	A
Aroclor 1254	ND		ug/kg	36.5	3.99	1	A
Aroclor 1260	ND		ug/kg	36.5	6.74	1	A
Aroclor 1262	ND		ug/kg	36.5	4.63	1	A
Aroclor 1268	ND		ug/kg	36.5	3.78	1	A
PCBs, Total	ND		ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/10/18 19:34
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.98	1	A
Aroclor 1221	ND		ug/kg	33.6	3.36	1	A
Aroclor 1232	ND		ug/kg	33.6	7.12	1	A
Aroclor 1242	ND		ug/kg	33.6	4.53	1	A
Aroclor 1248	ND		ug/kg	33.6	5.04	1	A
Aroclor 1254	ND		ug/kg	33.6	3.68	1	A
Aroclor 1260	ND		ug/kg	33.6	6.21	1	A
Aroclor 1262	ND		ug/kg	33.6	4.27	1	A
Aroclor 1268	ND		ug/kg	33.6	3.48	1	A
PCBs, Total	ND		ug/kg	33.6	2.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/10/18 19:46
Analyst: HT
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	3.00	1	A
Aroclor 1221	ND		ug/kg	33.8	3.38	1	A
Aroclor 1232	ND		ug/kg	33.8	7.16	1	A
Aroclor 1242	ND		ug/kg	33.8	4.55	1	A
Aroclor 1248	ND		ug/kg	33.8	5.07	1	A
Aroclor 1254	6.33	J	ug/kg	33.8	3.70	1	B
Aroclor 1260	ND		ug/kg	33.8	6.24	1	A
Aroclor 1262	ND		ug/kg	33.8	4.29	1	A
Aroclor 1268	ND		ug/kg	33.8	3.50	1	A
PCBs, Total	6.33	J	ug/kg	33.8	3.00	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY

Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/12/18 06:41
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/11/18 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 10/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/10/18 21:18
Analyst: HT
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.5	2.98	1	A
Aroclor 1221	ND		ug/kg	33.5	3.36	1	A
Aroclor 1232	ND		ug/kg	33.5	7.10	1	A
Aroclor 1242	ND		ug/kg	33.5	4.52	1	A
Aroclor 1248	ND		ug/kg	33.5	5.03	1	A
Aroclor 1254	ND		ug/kg	33.5	3.67	1	A
Aroclor 1260	ND		ug/kg	33.5	6.19	1	A
Aroclor 1262	ND		ug/kg	33.5	4.26	1	A
Aroclor 1268	ND		ug/kg	33.5	3.47	1	A
PCBs, Total	ND		ug/kg	33.5	2.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/10/18 17:51
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/09/18 07:58
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1165757-1						
Aroclor 1016	ND		ug/kg	32.7	2.91	A
Aroclor 1221	ND		ug/kg	32.7	3.28	A
Aroclor 1232	ND		ug/kg	32.7	6.94	A
Aroclor 1242	ND		ug/kg	32.7	4.41	A
Aroclor 1248	ND		ug/kg	32.7	4.91	A
Aroclor 1254	ND		ug/kg	32.7	3.58	A
Aroclor 1260	ND		ug/kg	32.7	6.05	A
Aroclor 1262	ND		ug/kg	32.7	4.16	A
Aroclor 1268	ND		ug/kg	32.7	3.39	A
PCBs, Total	ND		ug/kg	32.7	2.91	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/10/18 02:51
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/09/18 16:54
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 24 Batch: WG1166058-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.73	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.76	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.03	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/11/18 14:56
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 10/10/18 13:11
Cleanup Method: EPA 3665A
Cleanup Date: 10/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG1166492-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1165757-2 WG1165757-3									
Aroclor 1016	77		78		40-140	1		50	A
Aroclor 1260	73		77		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		91		30-150	A
Decachlorobiphenyl	69		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		85		30-150	B
Decachlorobiphenyl	77		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 24 Batch: WG1166058-2 WG1166058-3									
Aroclor 1016	84		81		40-140	4		50	A
Aroclor 1260	79		77		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		102		30-150	A
Decachlorobiphenyl	75		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		100		30-150	B
Decachlorobiphenyl	89		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG1166492-2 WG1166492-3									
Aroclor 1016	80		83		40-140	4		50	A
Aroclor 1260	85		88		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		92		30-150	A
Decachlorobiphenyl	94		100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		91		30-150	B
Decachlorobiphenyl	88		96		30-150	B

PESTICIDES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 18:35
Analyst: SL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.735	0.328	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	0.395	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	ND		ug/kg	2.20	0.772	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	0.774	J	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	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.735	0.350	1	A
Methoxychlor	ND		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	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01 Date Collected: 10/05/18 13:00

Client ID: WC02_COMP_0-5 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/11/18 02:53
Analyst: DGM
Percent Solids: 88%
Methylation Date: 10/09/18 05:32

Extraction Method: EPA 8151A
Extraction Date: 10/07/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	11.9	1	A
2,4,5-T	ND		ug/kg	189	5.85	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	5.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	79		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 18:47
Analyst: SL
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.675	0.302	1	A
Alpha-BHC	ND		ug/kg	0.675	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.614	1	A
Heptachlor	ND		ug/kg	0.810	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.912	1	A
Endrin	ND		ug/kg	0.675	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.709	1	A
Endrin ketone	ND		ug/kg	1.62	0.417	1	A
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	ND		ug/kg	1.62	0.375	1	A
4,4'-DDD	ND		ug/kg	1.62	0.578	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.383	1	A
Endosulfan II	ND		ug/kg	1.62	0.542	1	A
Endosulfan sulfate	ND		ug/kg	0.675	0.321	1	A
Methoxychlor	ND		ug/kg	3.04	0.945	1	A
Toxaphene	ND		ug/kg	30.4	8.51	1	A
cis-Chlordane	ND		ug/kg	2.02	0.564	1	A
trans-Chlordane	ND		ug/kg	2.02	0.535	1	A
Chlordane	ND		ug/kg	13.2	5.37	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02 Date Collected: 10/05/18 14:00

Client ID: WC02_COMP_5-10 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	102		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/11/18 03:13
Analyst: DGM
Percent Solids: 96%
Methylation Date: 10/09/18 05:32

Extraction Method: EPA 8151A
Extraction Date: 10/07/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	10.8	1	A
2,4,5-T	ND		ug/kg	172	5.32	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	4.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	78		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 19:00
Analyst: SL
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.58	0.310	1	A
Lindane	ND		ug/kg	0.660	0.295	1	A
Alpha-BHC	ND		ug/kg	0.660	0.187	1	A
Beta-BHC	ND		ug/kg	1.58	0.601	1	A
Heptachlor	ND		ug/kg	0.792	0.355	1	A
Aldrin	ND		ug/kg	1.58	0.558	1	A
Heptachlor epoxide	ND		ug/kg	2.97	0.891	1	A
Endrin	ND		ug/kg	0.660	0.271	1	A
Endrin aldehyde	ND		ug/kg	1.98	0.693	1	A
Endrin ketone	ND		ug/kg	1.58	0.408	1	A
Dieldrin	ND		ug/kg	0.990	0.495	1	A
4,4'-DDE	ND		ug/kg	1.58	0.366	1	A
4,4'-DDD	ND		ug/kg	1.58	0.565	1	A
4,4'-DDT	ND		ug/kg	2.97	1.27	1	A
Endosulfan I	ND		ug/kg	1.58	0.374	1	A
Endosulfan II	ND		ug/kg	1.58	0.529	1	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	1	A
Methoxychlor	ND		ug/kg	2.97	0.924	1	A
Toxaphene	ND		ug/kg	29.7	8.32	1	A
cis-Chlordane	ND		ug/kg	1.98	0.552	1	A
trans-Chlordane	ND		ug/kg	1.98	0.523	1	A
Chlordane	ND		ug/kg	12.9	5.25	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03 Date Collected: 10/05/18 14:15

Client ID: WC02_COMP_10-15 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/11/18 03:33
Analyst: DGM
Percent Solids: 95%
Methylation Date: 10/09/18 05:32

Extraction Method: EPA 8151A
Extraction Date: 10/07/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.37	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	77		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 19:13
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

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	B
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	5.76	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04 Date Collected: 10/05/18 16:10

Client ID: WC03_COMP_0-5 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/11/18 03:52
Analyst: DGM
Percent Solids: 91%
Methylation Date: 10/09/18 05:32

Extraction Method: EPA 8151A
Extraction Date: 10/07/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.63	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	78		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 19:25
Analyst: SL
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.59	0.312	1	A
Lindane	ND		ug/kg	0.663	0.296	1	A
Alpha-BHC	ND		ug/kg	0.663	0.188	1	A
Beta-BHC	ND		ug/kg	1.59	0.603	1	A
Heptachlor	ND		ug/kg	0.795	0.357	1	A
Aldrin	ND		ug/kg	1.59	0.560	1	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	1	A
Endrin	ND		ug/kg	0.663	0.272	1	A
Endrin aldehyde	ND		ug/kg	1.99	0.696	1	A
Endrin ketone	ND		ug/kg	1.59	0.410	1	A
Dieldrin	ND		ug/kg	0.994	0.497	1	A
4,4'-DDE	ND		ug/kg	1.59	0.368	1	A
4,4'-DDD	ND		ug/kg	1.59	0.567	1	A
4,4'-DDT	ND		ug/kg	2.98	1.28	1	A
Endosulfan I	ND		ug/kg	1.59	0.376	1	A
Endosulfan II	ND		ug/kg	1.59	0.532	1	A
Endosulfan sulfate	ND		ug/kg	0.663	0.316	1	A
Methoxychlor	ND		ug/kg	2.98	0.928	1	A
Toxaphene	ND		ug/kg	29.8	8.35	1	A
cis-Chlordane	ND		ug/kg	1.99	0.554	1	A
trans-Chlordane	ND		ug/kg	1.99	0.525	1	A
Chlordane	ND		ug/kg	12.9	5.27	1	A

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/11/18 04:12
Analyst: DGM
Percent Solids: 96%
Methylation Date: 10/09/18 05:32

Extraction Method: EPA 8151A
Extraction Date: 10/07/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.36	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	77		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/10/18 19:37
Analyst: SL
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

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	0.302	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	3.04	0.913	1	A
Endrin	ND		ug/kg	0.677	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.710	1	A
Endrin ketone	ND		ug/kg	1.62	0.418	1	A
Dieldrin	ND		ug/kg	1.01	0.507	1	A
4,4'-DDE	ND		ug/kg	1.62	0.376	1	A
4,4'-DDD	ND		ug/kg	1.62	0.579	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	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	3.04	0.947	1	A
Toxaphene	ND		ug/kg	30.4	8.52	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

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06 Date Collected: 10/05/18 16:30

Client ID: WC03_COMP_10-15 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	107		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/11/18 04:32
Analyst: DGM
Percent Solids: 95%
Methylation Date: 10/09/18 05:32

Extraction Method: EPA 8151A
Extraction Date: 10/07/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.36	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	58		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY

Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 10/12/18 02:34
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 10/11/18 07:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08 Date Collected: 10/05/18 15:00

Client ID: FIELD BLANK_100518 Date Received: 10/05/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY

Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 10/11/18 08:28
Analyst: BM

Extraction Method: EPA 8151A
Extraction Date: 10/09/18 10:15

Methylation Date: 10/09/18 21:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	71		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/12/18 20:09
Analyst: KEG
Percent Solids: 98%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Extraction Method: EPA 3510C
Extraction Date: 10/12/18 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/12/18 14:27
Analyst: KEG
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/10/18 19:56
Cleanup Method: EPA 3620B
Cleanup Date: 10/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.55	0.303	1	A
Lindane	ND		ug/kg	0.645	0.288	1	A
Alpha-BHC	ND		ug/kg	0.645	0.183	1	A
Beta-BHC	ND		ug/kg	1.55	0.587	1	A
Heptachlor	ND		ug/kg	0.774	0.347	1	A
Aldrin	ND		ug/kg	1.55	0.545	1	A
Heptachlor epoxide	ND		ug/kg	2.90	0.870	1	A
Endrin	ND		ug/kg	0.645	0.264	1	A
Endrin aldehyde	ND		ug/kg	1.93	0.677	1	A
Endrin ketone	ND		ug/kg	1.55	0.398	1	A
Dieldrin	ND		ug/kg	0.967	0.483	1	A
4,4'-DDE	ND		ug/kg	1.55	0.358	1	A
4,4'-DDD	ND		ug/kg	1.55	0.552	1	A
4,4'-DDT	ND		ug/kg	2.90	1.24	1	A
Endosulfan I	ND		ug/kg	1.55	0.366	1	A
Endosulfan II	ND		ug/kg	1.55	0.517	1	A
Endosulfan sulfate	ND		ug/kg	0.645	0.307	1	A
Methoxychlor	ND		ug/kg	2.90	0.902	1	A
Toxaphene	ND		ug/kg	29.0	8.12	1	A
cis-Chlordane	ND		ug/kg	1.93	0.539	1	A
trans-Chlordane	ND		ug/kg	1.93	0.510	1	A
Chlordane	ND		ug/kg	12.6	5.12	1	A

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	104		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/11/18 19:39
Analyst: SL
Percent Solids: 98%
TCLP/SPLP Ext. Date: 10/06/18 16:47
Methylation Date: 10/10/18 17:58

Extraction Method: EPA 8151A
Extraction Date: 10/09/18 22:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	59		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/12/18 13:31
Analyst: DGM
Percent Solids: 98%
Methylation Date: 10/11/18 16:54

Extraction Method: EPA 8151A
Extraction Date: 10/10/18 15:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	167	10.5	1	A
2,4,5-T	ND		ug/kg	167	5.18	1	A
2,4,5-TP (Silvex)	ND		ug/kg	167	4.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	74		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/09/18 21:21
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 10/07/18 10:30

Methylation Date: 10/09/18 05:32

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1165206-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.09	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.37	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	84		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/10/18 15:53
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1165775-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.962	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.08	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/10/18 15:53
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 10/09/18 08:33
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1165775-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/10/18 11:27
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 10/09/18 10:15

Methylation Date: 10/09/18 21:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08 Batch: WG1165859-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	79		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/11/18 18:40
Analyst: SL
TCLP/SPLP Extraction Date: 10/06/18 16:47
Methylation Date: 10/10/18 17:58

Extraction Method: EPA 8151A
Extraction Date: 10/09/18 22:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 24 Batch: WG1166143-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	61		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/11/18 16:24
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/10/18 05:08
Cleanup Method: EPA 3620B
Cleanup Date: 10/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24 Batch: WG1166224-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.670	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.304	A
Methoxychlor	ND		ug/kg	2.87	0.894	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.4	5.08	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/11/18 16:24
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/10/18 05:08
Cleanup Method: EPA 3620B
Cleanup Date: 10/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24 Batch: WG1166224-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	111		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/12/18 12:32
Analyst: DGM

Extraction Method: EPA 8151A
Extraction Date: 10/10/18 15:30

Methylation Date: 10/11/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 24 Batch: WG1166563-1						
2,4-D	ND		ug/kg	164	10.4	A
2,4,5-T	ND		ug/kg	164	5.10	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.37	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	73		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/11/18 11:49
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 10/10/18 18:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1166627-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	0.005	J	ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/11/18 11:49
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 10/10/18 18:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1166627-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/12/18 19:31
Analyst: KEG
TCLP/SPLP Extraction Date: 10/06/18 16:47

Extraction Method: EPA 3510C
Extraction Date: 10/12/18 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 24 Batch: WG1167362-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	138		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1165206-2 WG1165206-3									
2,4-D	111		121		30-150	9		30	A
2,4,5-T	85		94		30-150	10		30	A
2,4,5-TP (Silvex)	81		90		30-150	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	94		111		30-150	A
DCAA	84		96		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1165775-2 WG1165775-3									
Delta-BHC	88		93		30-150	6		30	A
Lindane	88		96		30-150	9		30	A
Alpha-BHC	93		100		30-150	7		30	A
Beta-BHC	95		106		30-150	11		30	A
Heptachlor	71		77		30-150	8		30	A
Aldrin	89		94		30-150	5		30	A
Heptachlor epoxide	99		102		30-150	3		30	A
Endrin	101		109		30-150	8		30	A
Endrin aldehyde	71		77		30-150	8		30	A
Endrin ketone	85		95		30-150	11		30	A
Dieldrin	104		110		30-150	6		30	A
4,4'-DDE	100		105		30-150	5		30	A
4,4'-DDD	107		112		30-150	5		30	A
4,4'-DDT	108		111		30-150	3		30	A
Endosulfan I	91		95		30-150	4		30	A
Endosulfan II	89		96		30-150	8		30	A
Endosulfan sulfate	78		89		30-150	13		30	A
Methoxychlor	100		106		30-150	6		30	A
cis-Chlordane	79		83		30-150	5		30	A
trans-Chlordane	95		99		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1165775-2 WG1165775-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		98		30-150	B
Decachlorobiphenyl	92		100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		94		30-150	A
Decachlorobiphenyl	102		102		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1165859-2 WG1165859-3									
2,4-D	122		118		30-150	3		25	A
2,4,5-T	95		94		30-150	1		25	A
2,4,5-TP (Silvex)	91		90		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	109		112		30-150	A
DCAA	83		97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 24 Batch: WG1166143-2 WG1166143-3									
2,4-D	126		121		30-150	4		25	A
2,4,5-TP (Silvex)	57		70		30-150	20		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	78		90		30-150	A
DCAA	57		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24 Batch: WG1166224-2 WG1166224-3									
Delta-BHC	83		101		30-150	20		30	A
Lindane	86		105		30-150	20		30	A
Alpha-BHC	89		107		30-150	18		30	A
Beta-BHC	89		107		30-150	18		30	A
Heptachlor	117		139		30-150	17		30	A
Aldrin	87		110		30-150	23		30	A
Heptachlor epoxide	110		131		30-150	17		30	A
Endrin	105		128		30-150	20		30	A
Endrin aldehyde	63		88		30-150	**33**	Q	30	A
Endrin ketone	80		112		30-150	**33**	Q	30	A
Dieldrin	95		116		30-150	20		30	A
4,4'-DDE	82		100		30-150	20		30	A
4,4'-DDD	88		109		30-150	21		30	A
4,4'-DDT	95		117		30-150	21		30	A
Endosulfan I	86		104		30-150	19		30	A
Endosulfan II	88		111		30-150	23		30	A
Endosulfan sulfate	71		98		30-150	**32**	Q	30	A
Methoxychlor	90		114		30-150	24		30	A
cis-Chlordane	70		83		30-150	17		30	A
trans-Chlordane	82		97		30-150	17		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24 Batch: WG1166224-2 WG1166224-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		100		30-150	B
Decachlorobiphenyl	106		127		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		103		30-150	A
Decachlorobiphenyl	102		128		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 24 Batch: WG1166563-2 WG1166563-3									
2,4-D	86		88		30-150	2		30	A
2,4,5-T	63		68		30-150	8		30	A
2,4,5-TP (Silvex)	58		61		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	67		81		30-150	A
DCAA	67		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1166627-2 WG1166627-3									
Delta-BHC	78		74		30-150	6		20	A
Lindane	76		72		30-150	5		20	A
Alpha-BHC	85		76		30-150	11		20	A
Beta-BHC	87		84		30-150	3		20	A
Heptachlor	81		78		30-150	4		20	A
Aldrin	77		78		30-150	1		20	A
Heptachlor epoxide	86		83		30-150	4		20	A
Endrin	84		80		30-150	5		20	A
Endrin aldehyde	79		79		30-150	0		20	A
Endrin ketone	88		83		30-150	5		20	A
Dieldrin	87		83		30-150	4		20	A
4,4'-DDE	74		73		30-150	0		20	A
4,4'-DDD	78		78		30-150	0		20	A
4,4'-DDT	78		78		30-150	0		20	A
Endosulfan I	86		83		30-150	4		20	A
Endosulfan II	81		81		30-150	0		20	A
Endosulfan sulfate	87		82		30-150	5		20	A
Methoxychlor	91		84		30-150	8		20	A
cis-Chlordane	68		75		30-150	11		20	A
trans-Chlordane	78		77		30-150	1		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1166627-2 WG1166627-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	A
Decachlorobiphenyl	79		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		75		30-150	B
Decachlorobiphenyl	62		66		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 24 Batch: WG1167362-2 WG1167362-3									
Lindane	62		81		30-150	**26**	Q	20	A
Heptachlor	63		82		30-150	**26**	Q	20	A
Heptachlor epoxide	68		87		30-150	**24**	Q	20	A
Endrin	66		84		30-150	**23**	Q	20	A
Methoxychlor	76		94		30-150	**21**	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		88		30-150	A
Decachlorobiphenyl	88		109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		87		30-150	B
Decachlorobiphenyl	68		91		30-150	B

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY
Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/11/18 17:00	10/11/18 23:11	EPA 3015	1,6010D	AB
Barium, TCLP	0.432	J	mg/l	0.500	0.021	1	10/11/18 17:00	10/11/18 23:11	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/11/18 23:11	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/11/18 23:11	EPA 3015	1,6010D	AB
Lead, TCLP	0.052	J	mg/l	0.500	0.027	1	10/11/18 17:00	10/11/18 23:11	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 22:02	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/11/18 23:11	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/11/18 23:11	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY
Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9600		mg/kg	9.01	2.43	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Antimony, Total	0.622	J	mg/kg	4.50	0.342	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Arsenic, Total	4.79		mg/kg	0.901	0.187	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Barium, Total	41.6		mg/kg	0.901	0.157	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Beryllium, Total	0.351	J	mg/kg	0.450	0.030	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Cadmium, Total	0.315	J	mg/kg	0.901	0.088	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Calcium, Total	2440		mg/kg	9.01	3.15	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Chromium, Total	15.9		mg/kg	0.901	0.087	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Cobalt, Total	6.29		mg/kg	1.80	0.150	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Copper, Total	21.7		mg/kg	0.901	0.232	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Iron, Total	14800		mg/kg	4.50	0.814	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Lead, Total	38.8		mg/kg	4.50	0.242	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Magnesium, Total	2360		mg/kg	9.01	1.39	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Manganese, Total	270		mg/kg	0.901	0.143	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Mercury, Total	0.136		mg/kg	0.073	0.015	1	10/11/18 10:00	10/11/18 23:52	EPA 7471B	1,7471B	EA
Nickel, Total	12.4		mg/kg	2.25	0.218	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Potassium, Total	615		mg/kg	225	13.0	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Selenium, Total	0.991	J	mg/kg	1.80	0.232	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.901	0.255	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Sodium, Total	45.2	J	mg/kg	180	2.84	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.80	0.284	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Vanadium, Total	22.5		mg/kg	0.901	0.183	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
Zinc, Total	57.4		mg/kg	4.50	0.264	2	10/10/18 19:45	10/11/18 18:46	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.91	0.91	1		10/11/18 18:46	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.024	J	mg/l	1.00	0.019	1	10/11/18 17:00	10/11/18 23:31	EPA 3015	1,6010D	AB
Barium, TCLP	0.338	J	mg/l	0.500	0.021	1	10/11/18 17:00	10/11/18 23:31	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/11/18 23:31	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/11/18 23:31	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/11/18 17:00	10/11/18 23:31	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 22:07	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/11/18 23:31	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/11/18 23:31	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
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	4980		mg/kg	8.21	2.22	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.10	0.312	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Arsenic, Total	1.41		mg/kg	0.821	0.171	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Barium, Total	29.9		mg/kg	0.821	0.143	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Beryllium, Total	0.246	J	mg/kg	0.410	0.027	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Cadmium, Total	0.213	J	mg/kg	0.821	0.080	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Calcium, Total	739		mg/kg	8.21	2.87	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Chromium, Total	13.8		mg/kg	0.821	0.079	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Cobalt, Total	5.33		mg/kg	1.64	0.136	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Copper, Total	14.0		mg/kg	0.821	0.212	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Iron, Total	9970		mg/kg	4.10	0.741	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Lead, Total	3.65	J	mg/kg	4.10	0.220	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Magnesium, Total	2260		mg/kg	8.21	1.26	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Manganese, Total	300		mg/kg	0.821	0.130	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Mercury, Total	0.031	J	mg/kg	0.066	0.014	1	10/11/18 10:00	10/12/18 00:05	EPA 7471B	1,7471B	EA
Nickel, Total	9.93		mg/kg	2.05	0.198	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Potassium, Total	693		mg/kg	205	11.8	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Selenium, Total	0.435	J	mg/kg	1.64	0.212	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.821	0.232	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Sodium, Total	57.7	J	mg/kg	164	2.58	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.64	0.258	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Vanadium, Total	18.9		mg/kg	0.821	0.166	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
Zinc, Total	23.2		mg/kg	4.10	0.240	2	10/10/18 19:45	10/11/18 18:50	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	0.83	0.83	1		10/11/18 18:50	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.019	J	mg/l	1.00	0.019	1	10/11/18 17:00	10/11/18 23:37	EPA 3015	1,6010D	AB
Barium, TCLP	0.407	J	mg/l	0.500	0.021	1	10/11/18 17:00	10/11/18 23:37	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/11/18 23:37	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/11/18 23:37	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/11/18 17:00	10/11/18 23:37	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 22:08	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/11/18 23:37	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/11/18 23:37	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
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	5200		mg/kg	8.15	2.20	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.08	0.310	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Arsenic, Total	1.40		mg/kg	0.815	0.170	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Barium, Total	37.0		mg/kg	0.815	0.142	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Beryllium, Total	0.171	J	mg/kg	0.408	0.027	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Cadmium, Total	0.228	J	mg/kg	0.815	0.080	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Calcium, Total	3520		mg/kg	8.15	2.85	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Chromium, Total	16.6		mg/kg	0.815	0.078	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Cobalt, Total	6.54		mg/kg	1.63	0.135	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Copper, Total	14.8		mg/kg	0.815	0.210	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Iron, Total	11100		mg/kg	4.08	0.736	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Lead, Total	4.79		mg/kg	4.08	0.218	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Magnesium, Total	3970		mg/kg	8.15	1.26	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Manganese, Total	235		mg/kg	0.815	0.130	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Mercury, Total	0.050	J	mg/kg	0.066	0.014	1	10/11/18 10:00	10/12/18 00:07	EPA 7471B	1,7471B	EA
Nickel, Total	11.1		mg/kg	2.04	0.197	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Potassium, Total	1170		mg/kg	204	11.7	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Selenium, Total	0.448	J	mg/kg	1.63	0.210	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.815	0.231	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Sodium, Total	84.2	J	mg/kg	163	2.57	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.63	0.257	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Vanadium, Total	18.7		mg/kg	0.815	0.165	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
Zinc, Total	30.7		mg/kg	4.08	0.239	2	10/10/18 19:45	10/11/18 18:54	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	0.84	0.84	1		10/11/18 18:54	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/11/18 17:00	10/11/18 23:42	EPA 3015	1,6010D	AB
Barium, TCLP	0.452	J	mg/l	0.500	0.021	1	10/11/18 17:00	10/11/18 23:42	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/11/18 23:42	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/11/18 23:42	EPA 3015	1,6010D	AB
Lead, TCLP	0.091	J	mg/l	0.500	0.027	1	10/11/18 17:00	10/11/18 23:42	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 22:14	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/11/18 23:42	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/11/18 23:42	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
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	6590		mg/kg	8.51	2.30	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Antimony, Total	0.340	J	mg/kg	4.25	0.323	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Arsenic, Total	2.61		mg/kg	0.851	0.177	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Barium, Total	38.2		mg/kg	0.851	0.148	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Beryllium, Total	0.230	J	mg/kg	0.425	0.028	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Cadmium, Total	0.315	J	mg/kg	0.851	0.083	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Calcium, Total	2030		mg/kg	8.51	2.98	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Chromium, Total	13.5		mg/kg	0.851	0.082	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Cobalt, Total	5.29		mg/kg	1.70	0.141	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Copper, Total	20.9		mg/kg	0.851	0.219	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Iron, Total	12000		mg/kg	4.25	0.768	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Lead, Total	31.9		mg/kg	4.25	0.228	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Magnesium, Total	2350		mg/kg	8.51	1.31	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Manganese, Total	252		mg/kg	0.851	0.135	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Mercury, Total	0.119		mg/kg	0.070	0.015	1	10/11/18 10:00	10/12/18 00:09	EPA 7471B	1,7471B	EA
Nickel, Total	10.5		mg/kg	2.13	0.206	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Potassium, Total	738		mg/kg	213	12.2	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Selenium, Total	0.553	J	mg/kg	1.70	0.219	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.851	0.241	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Sodium, Total	103	J	mg/kg	170	2.68	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.70	0.268	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Vanadium, Total	18.2		mg/kg	0.851	0.173	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
Zinc, Total	77.4		mg/kg	4.25	0.249	2	10/10/18 19:45	10/11/18 18:58	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	0.88	0.88	1		10/11/18 18:58	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/11/18 17:00	10/12/18 00:11	EPA 3015	1,6010D	AB
Barium, TCLP	0.388	J	mg/l	0.500	0.021	1	10/11/18 17:00	10/12/18 00:11	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/12/18 00:11	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/12/18 00:11	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/11/18 17:00	10/12/18 00:11	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 22:15	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/12/18 00:11	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/12/18 00:11	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
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	3500		mg/kg	7.89	2.13	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.94	0.300	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Arsenic, Total	1.33		mg/kg	0.789	0.164	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Barium, Total	24.9		mg/kg	0.789	0.137	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Beryllium, Total	0.284	J	mg/kg	0.394	0.026	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Cadmium, Total	0.197	J	mg/kg	0.789	0.077	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Calcium, Total	4140		mg/kg	7.89	2.76	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Chromium, Total	9.24		mg/kg	0.789	0.076	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Cobalt, Total	4.38		mg/kg	1.58	0.131	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Copper, Total	14.1		mg/kg	0.789	0.204	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Iron, Total	10200		mg/kg	3.94	0.712	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Lead, Total	4.83		mg/kg	3.94	0.211	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Magnesium, Total	3410		mg/kg	7.89	1.21	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Manganese, Total	204		mg/kg	0.789	0.125	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Mercury, Total	0.023	J	mg/kg	0.065	0.014	1	10/11/18 10:00	10/12/18 00:14	EPA 7471B	1,7471B	EA
Nickel, Total	10.8		mg/kg	1.97	0.191	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Potassium, Total	625		mg/kg	197	11.4	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Selenium, Total	0.252	J	mg/kg	1.58	0.204	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.789	0.223	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Sodium, Total	84.7	J	mg/kg	158	2.48	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.58	0.248	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Vanadium, Total	20.7		mg/kg	0.789	0.160	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
Zinc, Total	18.0		mg/kg	3.94	0.231	2	10/10/18 19:45	10/11/18 19:04	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	9.2		mg/kg	0.83	0.83	1		10/11/18 19:04	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/11/18 17:00	10/12/18 00:17	EPA 3015	1,6010D	AB
Barium, TCLP	0.496	J	mg/l	0.500	0.021	1	10/11/18 17:00	10/12/18 00:17	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/12/18 00:17	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/12/18 00:17	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/11/18 17:00	10/12/18 00:17	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 22:17	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/12/18 00:17	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/12/18 00:17	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
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	3800		mg/kg	8.23	2.22	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.11	0.313	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Arsenic, Total	0.954		mg/kg	0.823	0.171	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Barium, Total	28.5		mg/kg	0.823	0.143	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Beryllium, Total	0.132	J	mg/kg	0.411	0.027	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Cadmium, Total	0.173	J	mg/kg	0.823	0.081	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Calcium, Total	5700		mg/kg	8.23	2.88	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Chromium, Total	11.9		mg/kg	0.823	0.079	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Cobalt, Total	4.87		mg/kg	1.64	0.136	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Copper, Total	9.91		mg/kg	0.823	0.212	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Iron, Total	8000		mg/kg	4.11	0.743	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Lead, Total	2.85	J	mg/kg	4.11	0.220	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Magnesium, Total	4220		mg/kg	8.23	1.27	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Manganese, Total	176		mg/kg	0.823	0.131	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Mercury, Total	0.022	J	mg/kg	0.066	0.014	1	10/11/18 10:00	10/12/18 00:16	EPA 7471B	1,7471B	EA
Nickel, Total	8.73		mg/kg	2.06	0.199	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Potassium, Total	1020		mg/kg	206	11.8	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Selenium, Total	0.239	J	mg/kg	1.64	0.212	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.823	0.233	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Sodium, Total	103	J	mg/kg	164	2.59	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.64	0.259	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Vanadium, Total	15.2		mg/kg	0.823	0.167	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
Zinc, Total	23.7		mg/kg	4.11	0.241	2	10/10/18 19:45	10/11/18 19:09	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.84	0.84	1		10/11/18 19:09	NA	107,-	

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY
Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
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	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Barium, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Calcium, Total	ND		mg/l	0.100	0.035	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Copper, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Iron, Total	ND		mg/l	0.050	0.009	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Lead, Total	ND		mg/l	0.010	0.003	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/11/18 11:00	10/11/18 14:41	EPA 7470A	1,7470A	MG
Nickel, Total	ND		mg/l	0.025	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Silver, Total	ND		mg/l	0.007	0.003	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Sodium, Total	ND		mg/l	2.00	0.120	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	10/10/18 11:40	10/10/18 21:59	EPA 3005A	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		10/10/18 21:59	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1840502
Project Number: 170512301
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%
TCLP/SPLP Ext. Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/11/18 17:00	10/12/18 00:22	EPA 3015	1,6010D	AB
Barium, TCLP	0.443	J	mg/l	0.500	0.021	1	10/11/18 17:00	10/12/18 00:22	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/12/18 00:22	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/12/18 00:22	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/11/18 17:00	10/12/18 00:22	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 22:19	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/12/18 00:22	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/12/18 00:22	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3500		mg/kg	7.69	2.08	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.84	0.292	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Arsenic, Total	1.20		mg/kg	0.769	0.160	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Barium, Total	24.6		mg/kg	0.769	0.134	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Beryllium, Total	0.131	J	mg/kg	0.384	0.025	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Cadmium, Total	0.154	J	mg/kg	0.769	0.075	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Calcium, Total	3680		mg/kg	7.69	2.69	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Chromium, Total	9.02		mg/kg	0.769	0.074	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Cobalt, Total	3.87		mg/kg	1.54	0.128	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Copper, Total	11.2		mg/kg	0.769	0.198	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Iron, Total	7120		mg/kg	3.84	0.694	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Lead, Total	3.11	J	mg/kg	3.84	0.206	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Magnesium, Total	3030		mg/kg	7.69	1.18	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Manganese, Total	192		mg/kg	0.769	0.122	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Mercury, Total	0.024	J	mg/kg	0.065	0.014	1	10/11/18 10:00	10/12/18 00:18	EPA 7471B	1,7471B	EA
Nickel, Total	7.61		mg/kg	1.92	0.186	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Potassium, Total	596		mg/kg	192	11.1	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Selenium, Total	0.361	J	mg/kg	1.54	0.198	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.769	0.218	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Sodium, Total	94.3	J	mg/kg	154	2.42	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.54	0.242	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Vanadium, Total	12.2		mg/kg	0.769	0.156	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
Zinc, Total	17.2		mg/kg	3.84	0.225	2	10/10/18 19:45	10/11/18 19:13	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	9.0		mg/kg	0.82	0.82	1		10/11/18 19:13	NA	107,-	

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

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): 08 Batch: WG1166402-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Barium, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Calcium, Total	ND		mg/l	0.100	0.035	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Copper, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Iron, Total	ND		mg/l	0.050	0.009	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Lead, Total	ND		mg/l	0.010	0.003	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Nickel, Total	ND		mg/l	0.025	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Silver, Total	ND		mg/l	0.007	0.003	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Sodium, Total	ND		mg/l	2.00	0.120	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	10/10/18 11:40	10/10/18 21:54	1,6010D	AB

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): 01-06,24 Batch: WG1166613-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Antimony, Total	0.160	J	mg/kg	2.00	0.152	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB

Project Name: 37-11 30TH STREET **Lab Number:** L1840502

Project Number: 170512301 **Report Date:** 10/26/18

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND	mg/kg	0.200	0.013	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Cadmium, Total	ND	mg/kg	0.400	0.039	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Calcium, Total	ND	mg/kg	4.00	1.40	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Chromium, Total	ND	mg/kg	0.400	0.038	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Cobalt, Total	ND	mg/kg	0.800	0.066	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Copper, Total	ND	mg/kg	0.400	0.103	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Iron, Total	ND	mg/kg	2.00	0.361	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Lead, Total	ND	mg/kg	2.00	0.107	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Magnesium, Total	ND	mg/kg	4.00	0.616	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Manganese, Total	ND	mg/kg	0.400	0.064	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Nickel, Total	ND	mg/kg	1.00	0.097	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Potassium, Total	ND	mg/kg	100	5.76	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Selenium, Total	ND	mg/kg	0.800	0.103	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Silver, Total	ND	mg/kg	0.400	0.113	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Sodium, Total	ND	mg/kg	80.0	1.26	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Thallium, Total	ND	mg/kg	0.800	0.126	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Vanadium, Total	ND	mg/kg	0.400	0.081	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB
Zinc, Total	ND	mg/kg	2.00	0.117	1	10/10/18 19:45	10/11/18 16:54	1,6010D	AB

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): 01-06,24 Batch: WG1166879-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/11/18 10:00	10/11/18 23:44	1,7471B	EA

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): 08 Batch: WG1166969-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/11/18 11:00	10/11/18 14:08	1,7470A	MG

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06,24 Batch: WG1167095-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/11/18 17:00	10/11/18 23:01	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	10/11/18 17:00	10/11/18 23:01	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/11/18 17:00	10/11/18 23:01	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/11/18 17:00	10/11/18 23:01	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/11/18 17:00	10/11/18 23:01	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/11/18 17:00	10/11/18 23:01	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/11/18 17:00	10/11/18 23:01	1,6010D	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 10/06/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06,24 Batch: WG1167116-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/11/18 16:38	10/11/18 21:58	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 10/06/18 16:47

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1166402-2								
Aluminum, Total	96		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	107		-		80-120	-		
Barium, Total	94		-		80-120	-		
Beryllium, Total	92		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	95		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Cobalt, Total	94		-		80-120	-		
Copper, Total	91		-		80-120	-		
Iron, Total	96		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	91		-		80-120	-		
Nickel, Total	93		-		80-120	-		
Potassium, Total	98		-		80-120	-		
Selenium, Total	115		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	97		-		80-120	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1166402-2					
Zinc, Total	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,24 Batch: WG1166613-2 SRM Lot Number: D102-540					
Aluminum, Total	75	-	49-150	-	
Antimony, Total	160	-	1-199	-	
Arsenic, Total	91	-	83-117	-	
Barium, Total	88	-	83-118	-	
Beryllium, Total	89	-	83-116	-	
Cadmium, Total	93	-	83-118	-	
Calcium, Total	91	-	82-118	-	
Chromium, Total	89	-	83-117	-	
Cobalt, Total	89	-	84-116	-	
Copper, Total	88	-	84-116	-	
Iron, Total	94	-	61-139	-	
Lead, Total	89	-	82-118	-	
Magnesium, Total	82	-	76-124	-	
Manganese, Total	88	-	82-118	-	
Nickel, Total	89	-	83-117	-	
Potassium, Total	82	-	70-130	-	
Selenium, Total	94	-	79-121	-	
Silver, Total	90	-	80-120	-	
Sodium, Total	95	-	74-126	-	
Thallium, Total	97	-	81-119	-	
Vanadium, Total	87	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,24 Batch: WG1166613-2 SRM Lot Number: D102-540					
Zinc, Total	89	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06,24 Batch: WG1166879-2 SRM Lot Number: D102-540					
Mercury, Total	114	-	65-134	-	
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1166969-2					
Mercury, Total	109	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,24 Batch: WG1167095-2					
Arsenic, TCLP	110	-	75-125	-	20
Barium, TCLP	96	-	75-125	-	20
Cadmium, TCLP	103	-	75-125	-	20
Chromium, TCLP	98	-	75-125	-	20
Lead, TCLP	101	-	75-125	-	20
Selenium, TCLP	113	-	75-125	-	20
Silver, TCLP	101	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,24 Batch: WG1167116-2					
Mercury, TCLP	92	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

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): 08 QC Batch ID: WG1166402-3 QC Sample: L1840500-07 Client ID: MS Sample												
Aluminum, Total	ND	2	1.92	96		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.476	95		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.128	107		-	-		75-125	-		20
Barium, Total	ND	2	1.86	93		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.046	92		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.051	100		-	-		75-125	-		20
Calcium, Total	ND	10	9.53	95		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.189	94		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.471	94		-	-		75-125	-		20
Copper, Total	ND	0.25	0.227	91		-	-		75-125	-		20
Iron, Total	ND	1	0.959	96		-	-		75-125	-		20
Lead, Total	ND	0.51	0.511	100		-	-		75-125	-		20
Magnesium, Total	ND	10	10.6	106		-	-		75-125	-		20
Manganese, Total	ND	0.5	0.456	91		-	-		75-125	-		20
Nickel, Total	0.002J	0.5	0.464	93		-	-		75-125	-		20
Potassium, Total	ND	10	9.75	98		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.139	116		-	-		75-125	-		20
Silver, Total	ND	0.05	0.050	99		-	-		75-125	-		20
Sodium, Total	ND	10	9.66	97		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.119	99		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.470	94		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

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): 08 QC Batch ID: WG1166402-3 QC Sample: L1840500-07 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.493	99	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

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): 01-06,24 QC Batch ID: WG1166613-3 WG1166613-4 QC Sample: L1840500-03 Client ID: MS Sample											
Aluminum, Total	3530	180	3970	**244**	Q	3960	**240**	Q	75-125	0	20
Antimony, Total	ND	45	42.8	95		41.9	94		75-125	2	20
Arsenic, Total	0.796J	10.8	12.3	114		11.8	110		75-125	4	20
Barium, Total	22.1	180	200	99		194	96		75-125	3	20
Beryllium, Total	0.145J	4.5	4.44	98		4.38	98		75-125	1	20
Cadmium, Total	0.226J	4.6	4.78	104		4.69	103		75-125	2	20
Calcium, Total	1560	901	2430	96		2470	102		75-125	2	20
Chromium, Total	8.82	18	27.2	102		26.7	100		75-125	2	20
Cobalt, Total	5.63	45	48.1	94		47.2	93		75-125	2	20
Copper, Total	11.0	22.5	32.0	93		31.8	93		75-125	1	20
Iron, Total	8710	90.1	8970	**288**	Q	8870	**179**	Q	75-125	1	20
Lead, Total	2.54J	46	47.3	103		46.2	101		75-125	2	20
Magnesium, Total	2800	901	3540	82		3440	**71**	Q	75-125	3	20
Manganese, Total	239.	45	260	**47**	Q	253	**31**	Q	75-125	3	20
Nickel, Total	10.5	45	53.1	94		51.8	92		75-125	2	20
Potassium, Total	731.	901	1680	105		1650	103		75-125	2	20
Selenium, Total	0.543J	10.8	11.1	103		11.0	102		75-125	1	20
Silver, Total	ND	27	28.7	106		28.2	105		75-125	2	20
Sodium, Total	121.J	901	1020	113		1010	113		75-125	1	20
Thallium, Total	ND	10.8	10.0	92		9.71	90		75-125	3	20
Vanadium, Total	14.2	45	60.2	102		59.1	100		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

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): 01-06,24 QC Batch ID: WG1166613-3 WG1166613-4 QC Sample: L1840500-03 Client ID: MS Sample										
Zinc, Total	30.4	45	78.6	107		75.7	101	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 01-06,24 QC Batch ID: WG1166879-3 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5										
Mercury, Total	0.136	0.144	0.430	**204**	Q	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1166969-3 QC Sample: L1839102-01 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.00383	77		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,24 QC Batch ID: WG1167095-3 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5										
Arsenic, TCLP	ND	1.2	1.35	112		-	-	75-125	-	20
Barium, TCLP	0.432J	20	20.2	101		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.538	105		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.01	100		-	-	75-125	-	20
Lead, TCLP	0.052J	5.1	5.30	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.39	116		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.535	107		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,24 QC Batch ID: WG1167116-3 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5										
Mercury, TCLP	ND	0.025	0.0226	90		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1166402-4 QC Sample: L1840500-07 Client ID: DUP Sample						
Aluminum, Total	ND	ND	mg/l	NC		20
Antimony, Total	ND	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	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Iron, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	ND	ND	mg/l	NC		20
Manganese, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.002J	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	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1166402-4 QC Sample: L1840500-07 Client ID: DUP Sample						
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): 01-06,24 QC Batch ID: WG1166879-4 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5						
Mercury, Total	0.136	0.374	mg/kg	**93**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1166969-4 QC Sample: L1839102-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,24 QC Batch ID: WG1167095-4 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.432J	0.421J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.052J	0.061J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,24 QC Batch ID: WG1167116-4 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/11/18 08:21	1,1030	GD

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/11/18 08:21	1,1030	GD

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY
Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/11/18 08:21	1,1030	GD

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/11/18 08:21	1,1030	GD

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/11/18 08:21	1,1030	GD

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/11/18 08:21	1,1030	GD

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/11/18 09:08	1,1030	GD

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-01
Client ID: WC02_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 13:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	10/08/18 22:53	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/06/18 17:04	10/09/18 11:29	1,9010C/9012B	LH
pH (H)	8.3		SU	-	NA	1	-	10/08/18 09:33	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.909	0.182	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 02:07	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 01:47	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-02
Client ID: WC02_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	10/08/18 22:53	121,2540G	FN
Cyanide, Total	ND		mg/kg	0.97	0.21	1	10/06/18 17:04	10/09/18 11:32	1,9010C/9012B	LH
pH (H)	7.8		SU	-	NA	1	-	10/08/18 09:33	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.832	0.166	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 02:07	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 01:47	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-03
Client ID: WC02_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 14:15
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	10/08/18 22:53	121,2540G	FN
Cyanide, Total	ND		mg/kg	0.96	0.20	1	10/06/18 17:04	10/09/18 11:33	1,9010C/9012B	LH
pH (H)	8.0		SU	-	NA	1	-	10/08/18 09:33	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.838	0.168	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 02:07	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 01:47	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-04
Client ID: WC03_COMP_0-5
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:10
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	10/08/18 22:53	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.0	0.22	1	10/06/18 17:04	10/09/18 11:34	1,9010C/9012B	LH
pH (H)	10.1		SU	-	NA	1	-	10/08/18 09:33	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.882	0.176	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 02:09	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 01:48	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-05
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

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	-	10/08/18 22:53	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.0	0.21	1	10/06/18 17:04	10/09/18 11:35	1,9010C/9012B	LH
pH (H)	9.7		SU	-	NA	1	-	10/08/18 09:33	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.830	0.166	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 02:09	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 01:48	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-06
Client ID: WC03_COMP_10-15
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:30
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.1		%	0.100	NA	1	-	10/08/18 22:53	121,2540G	FN
Cyanide, Total	ND		mg/kg	0.98	0.21	1	10/06/18 20:27	10/09/18 11:36	1,9010C/9012B	LH
pH (H)	9.3		SU	-	NA	1	-	10/08/18 09:33	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.841	0.168	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 02:10	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 01:48	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-08
Client ID: FIELD BLANK_100518
Sample Location: QUEENS, NY

Date Collected: 10/05/18 15:00
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/08/18 12:35	10/09/18 09:20	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/06/18 13:30	10/06/18 14:09	1,7196A	JT

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-12
Client ID: SB08_7-8
Sample Location: QUEENS, NY

Date Collected: 10/05/18 07:52
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	10/10/18 15:33	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-22
Client ID: SB09_11-12
Sample Location: QUEENS, NY

Date Collected: 10/05/18 09:32
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	10/10/18 15:33	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-24
Client ID: WC03_COMP_5-10
Sample Location: QUEENS, NY

Date Collected: 10/05/18 16:20
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.5		%	0.100	NA	1	-	10/10/18 10:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.93	0.20	1	10/06/18 20:27	10/09/18 11:40	1,9010C/9012B	LH
pH (H)	9.2		SU	-	NA	1	-	10/10/18 18:43	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.820	0.164	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/11/18 15:01	10/11/18 16:32	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/11/18 15:01	10/11/18 16:13	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	10/08/18 22:45	1,9095B	AS

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

SAMPLE RESULTS

Lab ID: L1840502-25
Client ID: SB09_5-6
Sample Location: QUEENS, NY

Date Collected: 10/05/18 09:26
Date Received: 10/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	10/10/18 15:33	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1840502
Report Date: 10/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG1165109-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/06/18 13:30	10/06/18 14:07	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1165117-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	10/06/18 17:04	10/09/18 11:13	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 06,24 Batch: WG1165156-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	10/06/18 17:04	10/09/18 11:14	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG1165451-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/08/18 12:35	10/09/18 09:08	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 01-06,24 Batch: WG1165653-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/08/18 20:50	10/09/18 23:30	1,7196A	AJ
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1165662-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 01:43	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1165663-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/09/18 00:35	10/09/18 02:02	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 24 Batch: WG1167097-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/11/18 15:01	10/11/18 16:12	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 24 Batch: WG1167098-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/11/18 15:01	10/11/18 16:32	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG1165109-2								
Chromium, Hexavalent	99		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1165117-2 WG1165117-3								
Cyanide, Total	**72**	Q	**78**	Q	80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 06,24 Batch: WG1165156-2 WG1165156-3								
Cyanide, Total	**73**	Q	**79**	Q	80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1165420-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 05-06 Batch: WG1165430-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG1165451-2 WG1165451-3								
Cyanide, Total	99		102		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-06,24 Batch: WG1165653-2								
Chromium, Hexavalent	105		-		80-120	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1165662-2					
Sulfide, Reactive	81	-	60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1165663-2					
Cyanide, Reactive	51	-	30-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 24 Batch: WG1166603-1					
pH	100	-	99-101	-	
General Chemistry - Westborough Lab Associated sample(s): 24 Batch: WG1167097-2					
Sulfide, Reactive	115	-	60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 24 Batch: WG1167098-2					
Cyanide, Reactive	55	-	30-125	-	40

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1165109-4 QC Sample: L1840502-08 Client ID: FIELD BLANK_100518												
Chromium, Hexavalent	ND	0.1	0.106	106		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1165117-4 WG1165117-5 QC Sample: L1840500-03 Client ID: MS Sample												
Cyanide, Total	ND	11	10	89		9.7	89		75-125	3		35
General Chemistry - Westborough Lab Associated sample(s): 06,24 QC Batch ID: WG1165156-4 WG1165156-5 QC Sample: L1840502-06 Client ID: WC03_COMP_10-15												
Cyanide, Total	ND	10	8.9	89		9.1	87		75-125	2		35
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1165451-4 WG1165451-5 QC Sample: L1840360-01 Client ID: MS Sample												
Cyanide, Total	0.428	0.2	0.406	**0**	Q	0.491	**32**	Q	80-120	19		20
General Chemistry - Westborough Lab Associated sample(s): 01-06,24 QC Batch ID: WG1165653-4 QC Sample: L1840500-08 Client ID: MS Sample												
Chromium, Hexavalent	ND	1390	1340	96		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1165109-3 QC Sample: L1840502-08 Client ID: FIELD BLANK_100518						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1165420-2 QC Sample: L1840361-01 Client ID: DUP Sample						
pH	7.6	7.6	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG1165430-2 QC Sample: L1840502-05 Client ID: WC03_COMP_5-10						
pH (H)	9.7	9.7	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1165648-1 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5						
Solids, Total	88.0	87.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-06,24 QC Batch ID: WG1165653-6 QC Sample: L1840500-08 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1165662-3 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1165663-3 QC Sample: L1840502-01 Client ID: WC02_COMP_0-5						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG1166300-1 QC Sample: L1840810-01 Client ID: DUP Sample						
Solids, Total	85.4	87.0	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 12,22,25 QC Batch ID: WG1166426-1 QC Sample: L1840717-01 Client ID: DUP Sample						
Solids, Total	87.2	87.5	%	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1840502

Report Date: 10/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG1166603-2 QC Sample: L1840987-01 Client ID: DUP Sample					
pH	7.1	7.2	SU	1	5
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG1167097-3 QC Sample: L1841094-01 Client ID: DUP Sample					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG1167098-3 QC Sample: L1841094-01 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40

Project Name: 37-11 30TH STREET
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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(*)
L1840502-01A	Glass 250ml/8oz unpreserved	A	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)
L1840502-01B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L1840502-01C	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-01D	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-01X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1840502-01Z	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840502-02A	Metals Only-Glass 60mL/2oz unpreserved	A	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)
L1840502-02B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L1840502-02C	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-02D	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840502-02X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1840502-02Z	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840502-03A	Metals Only-Glass 60mL/2oz unpreserved	A	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)
L1840502-03B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L1840502-03C	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-03D	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-03X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1840502-03Z	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840502-04A	Metals Only-Glass 60mL/2oz unpreserved	A	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)
L1840502-04B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L1840502-04C	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-04D	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-04X9	Tumble Vessel	A	NA		3.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840502-04Z	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840502-05A	Metals Only-Glass 60mL/2oz unpreserved	A	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)
L1840502-05B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L1840502-05C	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-05D	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-05X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1840502-05Z	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840502-06A	Metals Only-Glass 60mL/2oz unpreserved	A	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)
L1840502-06B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L1840502-06C	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-06D	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1840502-06X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1840502-06Z	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840502-07A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1840502-07B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1840502-08A	Plastic 250ml HNO3 preserved	A	<2	<2	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)
L1840502-08B	Plastic 500ml unpreserved	A	7	7	3.2	Y	Absent		HEXCR-7196(1)
L1840502-08C	Plastic 250ml NaOH preserved	A	>12	>12	3.2	Y	Absent		TCN-9010(14)
L1840502-08D	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1840502-08E	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1840502-08F	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1840502-08G	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1840502-08H	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-LVI(7)
L1840502-08I	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-LVI(7)
L1840502-08J	Amber 1000ml HCl preserved	A	<2	<2	3.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1840502-08K	Amber 1000ml HCl preserved	A	<2	<2	3.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1840502-08L	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		HERB-APA(7)
L1840502-08M	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		HERB-APA(7)
L1840502-08X	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1840502-08Y	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1840502-08Z	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1840502-09A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-10A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-11A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-12A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-12B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1840502-12D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1840502-12X	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1840502-12Y	Vial water preserved	A	NA		3.2	Y	Absent	06-OCT-18 12:26	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840502-12Z	Vial water preserved	A	NA		3.2	Y	Absent	06-OCT-18 12:26	NYTCL-8260HLW(14)
L1840502-13A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-14A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-15A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-16A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-17A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-18A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-19A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-20A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-21A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-22A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-22B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1840502-22D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1840502-22X	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1840502-22Y	Vial water preserved	A	NA		3.2	Y	Absent	06-OCT-18 12:26	NYTCL-8260HLW(14)
L1840502-22Z	Vial water preserved	A	NA		3.2	Y	Absent	06-OCT-18 12:26	NYTCL-8260HLW(14)
L1840502-23A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1840502-24A	Vial Large Septa unpreserved (4oz)	A	NA		3.2	Y	Absent		TCLP-EXT-ZHE(14)
L1840502-24B	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TRICR-CALC(30),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1840502-24R	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1840502-24V	Amber 1000ml unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1840502-24X	Glass 60ml unpreserved split	A	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)
L1840502-24X9	Tumble Vessel	A	NA		3.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1840502
Report Date: 10/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1840502-24Y	Vial unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-VOA(14)
L1840502-24Z	Vial unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-VOA(14)
L1840502-25A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1840502-25B	Vial water preserved	A	NA		3.2	Y	Absent	06-OCT-18 12:26	NYTCL-8260HLW(14)
L1840502-25C	Vial water preserved	A	NA		3.2	Y	Absent	06-OCT-18 12:26	NYTCL-8260HLW(14)
L1840502-25D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7),HOLD-METAL(180)
L1840502-25E	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14),HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1840502
Project Number:	170512301	**Report Date:**	10/26/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1840502
Project Number:	170512301	**Report Date:**	10/26/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH STREET	**Lab Number:**	L1840502
Project Number:	170512301	**Report Date:**	10/26/18

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

WC SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab: 10/6/18

ALPHA Job #: L1840502

Client Information

Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: PSnead@langan.com

Project Information

Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other NYSDEC/NJDEP UST
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYSDEC/NJDEP VOCs (EPA)	SVOCs	Pests/Herbs	PCBs	Metals (Mg,Mn,Fe,Al)	TCLP Metals	RCRA Char. (Ig, Cr, Pb)	TCLP Metals HgCdAs	Sample Specific Comments	Total Bottle
40502 01	WC02_COMP_0-5	10/5	1300	SOIL	AK	X	X	X	X	X	X	X			
02	WC02_COMP_5-10		1400		AK	X	X	X	X	X	X	X			
03	WC02_COMP_10-15		1415		AK	X	X	X	X	X	X	X			
04	WC03_COMP_0-5		1610		AK	X	X	X	X	X	X	X			
05	WC03_COMP_5-10		1620		AS	X	X	X	X	X	X	X			
06	WC03_COMP_10-15		1630		AS	X	X	X	X	X	X	X			
- 07	TRIPBLANK_100518		1700		AS	X									
- 08	FIELDBLANK_100518		1500		AK	X	X	X	X	X					
- 09	SB08_0-1		745		AS								X		
- 10	SB08_1-2		747		AS								X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stappenbeck	10/5 1715		
	10/5/18 2020	Paul Tangella	10/5/18 2040
Paul Tangella	10/6/18 0235		10/6/18 0235

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

WC SOIL

NEW YORK CHAIN OF CUSTODY

Page 2 of 3

Date Rec'd in Lab: 10/6/18

ALPHA Job #: L1840502

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Project Information
- Project Name: 37-11 30th St.
- Project Location: Queens, NY
- Project #: 170512301
- (Use Project name as Project #): ☐
- Project Manager: Emily Snead
- ALPHAQuote #:

Turn-Around Time
- Standard ☐ Due Date:
- Rush (only if pre approved) ☐ # of Days:

Client Information
- Client: LANGAN, DPC
- Address:
- Phone:
- Fax:
- Email: esnead@langan.com

Deliverables
- ☐ ASP-A ☐ ASP-B
- ☐ EQuIS (1 File) ☐ EQuIS (4 File)
- ☐ Other

Regulatory Requirement
- ☐ NY TOGS ☐ NY Part 375
- ☐ AWQ Standards ☐ NY CP-51
- ☐ NY Restricted Use ☒ Other
- ☐ NY Unrestricted Use MSDEC/NJDEP LIST
- ☐ NYC Sewer Discharge

Billing Information
- ☒ Same as Client Info
- PO #

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:

* HOLDS *

Please specify Metals or TAL.

ANALYSIS

TCLP Metals Hold.

Sample Filtration
- ☐ Done
- ☐ Lab to do

Preservation
- ☐ Lab to do

(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP Metals Hold.	Total Bottle
40502 - 11	SB08-5-6	10/5	750	SOIL	AR	X	
- 12	SB08-7-8		752			X	
- 13	SB08-10-11		800			X	
- 14	SB08-11-12		802			X	
- 15	SB09-0-0.5		914			X	
- 16	SB09-2-3		918			X	
- 17	SB09-4.5-5		925			X	
- 18	SB09-8.5-9.5		929			X	
- 19	SB09-6-5		927			X	
- 20	SB09-7-8		928			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Steppuhzeller	10/5/18 1715	AHL	10/5/18 1715
Paul Tomasella	10/6/18 0235	Paul Tomasella	10/6/18 0235

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

WC SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 10/6/18

ALPHA Job #: L1840502

Client Information

Client: LANGAN, DDC
Address:
Phone:
Fax:
Email: esnead@langan.com

Project Information

Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #): ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other
☐ NY Unrestricted Use NYSDEC/NJDEP LIST
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP Metals MCLDS	Paint filter TCLP	Full TCLP (TCLP SVOCs, Metals + hex/tri chromet	cyanide TCLP VOCs TCLP Both Herb	TCLP PCBs, TCLP PCBs, Paint filter)	Sample Specific Comments	Total Bottle
405021 - 21	SB09 - 10-11	10/5	930	SOIL	AS	X						
- 22	SB09 - 11-12		932		AS	X						
- 23	SB09 - 13-14		935		AS	X						
- 24	WC03_COMP_5-10		1620		AK		X	X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Robby Szczepanski	10/5/18 1715	AKL	10/5/18 1715
	10/5/18 2020	Paul Mazzella	10/5/18 2020
Paul Mazzella	10/6/18 0235		10/6/18 0235

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1847730
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH ST.
Project Number:	170512301
Report Date:	12/10/18

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1847730-01	SBFB04_112018	WATER	QUEENS, NY	11/20/18 13:10	11/20/18
L1847730-02	SB04A_5-6	SOIL	QUEENS, NY	11/20/18 09:30	11/20/18
L1847730-03	SBDUP04_112018	SOIL	QUEENS, NY	11/20/18 00:00	11/20/18
L1847730-04	SB04A_3-5	SOIL	QUEENS, NY	11/20/18 09:28	11/20/18
L1847730-05	SB04.1_1-3	SOIL	QUEENS, NY	11/20/18 12:20	11/20/18
L1847730-06	SB04.7_1-3	SOIL	QUEENS, NY	11/20/18 10:31	11/20/18
L1847730-07	SB04.4_1-3	SOIL	QUEENS, NY	11/20/18 13:15	11/20/18
L1847730-08	SB04.3_3-5	SOIL	QUEENS, NY	11/20/18 13:11	11/20/18
L1847730-09	SB04.1_5-6	SOIL	QUEENS, NY	11/20/18 12:27	11/20/18
L1847730-10	SB04.8_5-6	SOIL	QUEENS, NY	11/20/18 11:50	11/20/18
L1847730-11	SB04.1_3-5	SOIL	QUEENS, NY	11/20/18 12:24	11/20/18
L1847730-12	SB04.3_5-6	SOIL	QUEENS, NY	11/20/18 13:15	11/20/18
L1847730-13	SB04.4_5-6	SOIL	QUEENS, NY	11/20/18 13:18	11/20/18
L1847730-14	SB04.8_3-5	SOIL	QUEENS, NY	11/20/18 11:40	11/20/18
L1847730-15	SB04.7_5-6	SOIL	QUEENS, NY	11/20/18 10:40	11/20/18
L1847730-16	SB04.9_1-3	SOIL	QUEENS, NY	11/20/18 14:41	11/20/18
L1847730-17	SB04.9_3-5	SOIL	QUEENS, NY	11/20/18 14:40	11/20/18
L1847730-18	SB04.6_1-3	SOIL	QUEENS, NY	11/20/18 14:11	11/20/18
L1847730-19	SB04.9_5-6	SOIL	QUEENS, NY	11/20/18 14:39	11/20/18
L1847730-20	SB04.2_3-5	SOIL	QUEENS, NY	11/20/18 13:36	11/20/18
L1847730-21	SB04.2_5-6	SOIL	QUEENS, NY	11/20/18 13:42	11/20/18
L1847730-22	SB04.7_3-5	SOIL	QUEENS, NY	11/20/18 10:34	11/20/18
L1847730-23	SB04.5_1-3	SOIL	QUEENS, NY	11/20/18 14:11	11/20/18
L1847730-24	SB04.6_3-5	SOIL	QUEENS, NY	11/20/18 14:27	11/20/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1847730-25	SB04.5_5-6	SOIL	QUEENS, NY	11/20/18 14:20	11/20/18
L1847730-26	SB04.8_1-3	SOIL	QUEENS, NY	11/20/18 11:37	11/20/18
L1847730-27	SB04.3_1-3	SOIL	QUEENS, NY	11/20/18 13:00	11/20/18
L1847730-28	SB04.4_3-5	SOIL	QUEENS, NY	11/20/18 13:21	11/20/18
L1847730-29	SB04.6_5-6	SOIL	QUEENS, NY	11/20/18 14:21	11/20/18
L1847730-30	SB04.2_1-3	SOIL	QUEENS, NY	11/20/18 13:31	11/20/18
L1847730-31	SB04.5_3-5	SOIL	QUEENS, NY	11/20/18 14:14	11/20/18
L1847730-32	SBDUP05_112018	SOIL	QUEENS, NY	11/20/18 00:00	11/20/18

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

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: 37-11 30TH ST. **Lab Number:** L1847730
Project Number: 170512301 **Report Date:** 12/10/18

Case Narrative (continued)

Report Submission

December 10, 2018: This final report includes the results of all requested analyses.

December 05, 2018: This preliminary report includes the results of the Total and TCLP Chromium analysis performed on L1847730-11, -23, -28 and -30.

November 29, 2018: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

Total Metals

The WG1182551-3/-4 MS/MSD recoveries for chromium (645%/924%), performed on L1847730-06, do not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 12/10/18

METALS

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-01
Client ID: SBFB04_112018
Sample Location: QUEENS, NY
Date Collected: 11/20/18 13:10
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	ND		mg/l	0.010	0.002	1	11/28/18 13:47	11/28/18 22:13	EPA 3005A	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-02
Client ID: SB04A_5-6
Sample Location: QUEENS, NY
Date Collected: 11/20/18 09:30
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 11/23/18 22:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	11.6		mg/l	0.200	0.021	1	11/27/18 14:48	11/27/18 18:36	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-02
Client ID: SB04A_5-6
Sample Location: QUEENS, NY
Date Collected: 11/20/18 09:30
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	729		mg/kg	0.402	0.039	1	11/26/18 16:39	11/26/18 22:59	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-03
Client ID: SBDUP04_112018
Sample Location: QUEENS, NY
Date Collected: 11/20/18 00:00
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 11/23/18 22:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	5.76		mg/l	0.200	0.021	1	11/27/18 14:48	11/27/18 18:41	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-03
Client ID: SBDUP04_112018
Sample Location: QUEENS, NY
Date Collected: 11/20/18 00:00
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	1010		mg/kg	0.428	0.041	1	11/26/18 16:39	11/26/18 23:03	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-04
Client ID: SB04A_3-5
Sample Location: QUEENS, NY
Date Collected: 11/20/18 09:28
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%
TCLP/SPLP Ext. Date: 11/23/18 22:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	10.1		mg/l	0.200	0.021	1	11/27/18 14:48	11/27/18 18:45	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-04
Client ID: SB04A_3-5
Sample Location: QUEENS, NY
Date Collected: 11/20/18 09:28
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	480		mg/kg	0.409	0.039	1	11/26/18 16:39	11/26/18 23:07	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-05
Client ID: SB04.1_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 12:20
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%
TCLP/SPLP Ext. Date: 11/23/18 22:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	9.17		mg/l	0.200	0.021	1	11/27/18 14:48	11/27/18 18:50	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-05
Client ID: SB04.1_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 12:20
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	949		mg/kg	0.464	0.045	1	11/26/18 16:39	11/26/18 23:45	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-06
Client ID: SB04.7_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 10:31
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%
TCLP/SPLP Ext. Date: 11/23/18 22:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	1.83		mg/l	0.200	0.021	1	11/27/18 14:48	11/27/18 16:55	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-06
Client ID: SB04.7_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 10:31
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	1810		mg/kg	0.459	0.044	1	11/26/18 16:39	11/26/18 22:12	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-07
Client ID: SB04.4_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 13:15
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 11/23/18 22:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	5.34		mg/l	0.200	0.021	1	11/27/18 14:48	11/27/18 18:55	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-07
Client ID: SB04.4_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 13:15
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	295		mg/kg	0.426	0.041	1	11/26/18 16:39	11/26/18 23:50	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-11
Client ID: SB04.1_3-5
Sample Location: QUEENS, NY
Date Collected: 11/20/18 12:24
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%
TCLP/SPLP Ext. Date: 12/03/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	6.02		mg/l	0.200	0.021	1	12/05/18 09:34	12/05/18 11:59	EPA 3015	1,6010D	LC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-11
Client ID: SB04.1_3-5
Sample Location: QUEENS, NY
Date Collected: 11/20/18 12:24
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	172		mg/kg	0.408	0.039	1	12/04/18 18:55	12/04/18 23:28	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-23
Client ID: SB04.5_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 14:11
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 12/03/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/05/18 09:34	12/05/18 12:19	EPA 3015	1,6010D	LC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-23
Client ID: SB04.5_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 14:11
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	14.7		mg/kg	0.405	0.039	1	12/04/18 18:55	12/04/18 23:33	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-28
Client ID: SB04.4_3-5
Sample Location: QUEENS, NY
Date Collected: 11/20/18 13:21
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%
TCLP/SPLP Ext. Date: 12/03/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/05/18 09:34	12/05/18 12:24	EPA 3015	1,6010D	LC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-28
Client ID: SB04.4_3-5
Sample Location: QUEENS, NY
Date Collected: 11/20/18 13:21
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	7.41		mg/kg	0.396	0.038	1	12/04/18 18:55	12/04/18 23:37	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-30
Client ID: SB04.2_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 13:31
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%
TCLP/SPLP Ext. Date: 12/03/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	1.11		mg/l	0.200	0.021	1	12/05/18 09:34	12/05/18 12:29	EPA 3015	1,6010D	LC

Project Name: 37-11 30TH ST.
Lab Number: L1847730
Project Number: 170512301
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-30
Client ID: SB04.2_1-3
Sample Location: QUEENS, NY
Date Collected: 11/20/18 13:31
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	764		mg/kg	0.458	0.044	1	12/04/18 18:55	12/04/18 23:42	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1847730
Report Date: 12/10/18

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): 02-07 Batch: WG1182551-1										
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/26/18 16:39	11/26/18 23:28	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02-07 Batch: WG1182981-1										
Chromium, TCLP	0.035	J	mg/l	0.200	0.021	1	11/27/18 14:48	11/27/18 16:41	1,6010D	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 11/23/18 22:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1183406-1										
Chromium, Total	ND		mg/l	0.010	0.002	1	11/28/18 13:47	11/28/18 21:00	1,6010D	AB

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): 11,23,28,30 Batch: WG1185558-1										
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/04/18 18:55	12/04/18 21:30	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1847730
Report Date: 12/10/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 11,23,28,30 Batch: WG1185747-1										
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/05/18 09:34	12/05/18 11:49	1,6010D	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/03/18 23:15

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1847730

Report Date: 12/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-07 Batch: WG1182551-2 SRM Lot Number: D102-540								
Chromium, Total	84		-		83-117	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-07 Batch: WG1182981-2								
Chromium, TCLP	94		-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1183406-2								
Chromium, Total	104		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 11,23,28,30 Batch: WG1185558-2 SRM Lot Number: D102-540								
Chromium, Total	97		-		83-117	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,23,28,30 Batch: WG1185747-2								
Chromium, TCLP	100		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

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): 02-07 QC Batch ID: WG1182551-3 WG1182551-4 QC Sample: L1847730-06 Client ID: SB04.7_1-3												
Chromium, Total	1810	18.6	1930	**645**	Q	1980	**924**	Q	75-125	3		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG1182981-3 WG1182981-4 QC Sample: L1847730-06 Client ID: SB04.7_1-3												
Chromium, TCLP	1.83	2	3.60	88		3.72	94		75-125	3		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1183406-3 WG1183406-4 QC Sample: L1847812-02 Client ID: MS Sample												
Chromium, Total	ND	0.2	0.201	100		0.207	104		75-125	3		20
Total Metals - Mansfield Lab Associated sample(s): 11,23,28,30 QC Batch ID: WG1185558-3 WG1185558-4 QC Sample: L1848975-01 Client ID: MS Sample												
Chromium, Total	18.6	20.3	40.8	109		36.4	90		75-125	11		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,23,28,30 QC Batch ID: WG1185747-3 QC Sample: L1847730-11 Client ID: SB04.1_3-5												
Chromium, TCLP	6.02	2	7.73	86		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1847730

Report Date: 12/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,23,28,30 QC Batch ID: WG1185747-4 QC Sample: L1847730-11 Client ID: SB04.1_3-5						
Chromium, TCLP	6.02	6.01	mg/l	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-02
Client ID: SB04A_5-6
Sample Location: QUEENS, NY

Date Collected: 11/20/18 09:30
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.0		%	0.100	NA	1	-	11/21/18 13:07	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-03
Client ID: SBDUP04_112018
Sample Location: QUEENS, NY

Date Collected: 11/20/18 00:00
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	11/21/18 13:07	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-04
Client ID: SB04A_3-5
Sample Location: QUEENS, NY

Date Collected: 11/20/18 09:28
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.9		%	0.100	NA	1	-	11/21/18 13:07	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-05
Client ID: SB04.1_1-3
Sample Location: QUEENS, NY

Date Collected: 11/20/18 12:20
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	11/21/18 13:07	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-06
Client ID: SB04.7_1-3
Sample Location: QUEENS, NY

Date Collected: 11/20/18 10:31
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	11/21/18 13:07	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-07
Client ID: SB04.4_1-3
Sample Location: QUEENS, NY

Date Collected: 11/20/18 13:15
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	11/21/18 13:07	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-11
Client ID: SB04.1_3-5
Sample Location: QUEENS, NY

Date Collected: 11/20/18 12:24
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	12/04/18 05:34	121,2540G	CG

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-23
Client ID: SB04.5_1-3
Sample Location: QUEENS, NY

Date Collected: 11/20/18 14:11
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	12/04/18 05:34	121,2540G	CG

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-28
Client ID: SB04.4_3-5
Sample Location: QUEENS, NY

Date Collected: 11/20/18 13:21
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	12/04/18 05:34	121,2540G	CG

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

SAMPLE RESULTS

Lab ID: L1847730-30
Client ID: SB04.2_1-3
Sample Location: QUEENS, NY

Date Collected: 11/20/18 13:31
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	12/04/18 05:34	121,2540G	CG

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1847730

Report Date: 12/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1181858-1 QC Sample: L1847730-06 Client ID: SB04.7_1-3						
Solids, Total	85.7	84.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 11,23,28,30 QC Batch ID: WG1185248-1 QC Sample: L1849335-01 Client ID: DUP Sample						
Solids, Total	70.6	72.5	%	3		20

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

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(*)
L1847730-01A	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CR-TI(180)
L1847730-02A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1847730-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-02X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-03A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1847730-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-03X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-04A	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L1847730-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-04X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-05A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1847730-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-05X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-06A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1847730-06B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-06B1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-06B2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-06C	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		-
L1847730-06C1	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1847730-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-06X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-07A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1847730-07B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-07X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-08A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-08B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-09A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-09B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-10A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-10B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-11A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-11B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L1847730-11X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-11X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-12A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-12B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-13A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-13B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-14A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-14B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-15A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-15B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-16A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-16B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-17A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-17B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1847730-18A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-18B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-19A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-19B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-20A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-20B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-21A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-21B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-22A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-22B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-23A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-23B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L1847730-23X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-23X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-24A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-24B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-25A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-25B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-26A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-26B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-27A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-27B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-28A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-28B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L1847730-28X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-28X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-29A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-29A1	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1847730
Report Date: 12/10/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1847730-29B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-29B1	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-30A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		CR-TI(180)
L1847730-30B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L1847730-30X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CR-CI(180)
L1847730-30X9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1847730-31A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-31B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-32A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1847730-32A1	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		-
L1847730-32B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1847730-32B1	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		-
L1847730-33A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		-
L1847730-33A1	Tumble Vessel	A	NA		3.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH ST.	**Lab Number:**	L1847730
Project Number:	170512301	**Report Date:**	12/10/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH ST.	**Lab Number:**	L1847730
Project Number:	170512301	**Report Date:**	12/10/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH ST.	**Lab Number:**	L1847730
Project Number:	170512301	**Report Date:**	12/10/18

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.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

CHROME DELINEATION

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 4

Date Rec'd in Lab: 11/20/18

ALPHA Job #: L0847730

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th St.
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total + TCLP Chromium	Total + TCLP Chromium (HOLD)	Sample Specific Comments
47730 -01	SBFB04_112018	11/20	1310	AQ	AS	X		
-02	SB04A_5-6		930	SOIL	MT	X		
-03	SBDUP04_112018				AS	X		
-04	SB04A_3-5		928		AS	X		
-05	SB04.1_1-3		1220		AS	X		
-06	SB04.7_1-3		1031		AS	X		
-07	SB04.4_1-3		1315		MT	X		
-07	MSD-SS04_112018				AS	X		
~~-07~~	MS_SS04_112018				AS	X		
-32	SBDUP05_112018	↓		↓			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stoppenbach	11/20/18 1517	Renee Jackson AAL	11/20 1517
	11/20 1830	D. Santos AAL	11/20/18 1845
D. Santos AAL	11/20/18 2320		11/20/18 2320

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

CHROME DELINEATION

Serial_No:12101812:50

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 4

Date Rec'd in Lab: 11/20/18

ALPHA Job #: L0847730

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP + Total Chromium (HOLD)	Total Bottle	Sample Specific Comments
L0847730-08	SB04.3_3-5	11/20	1311	SOIL	AS	X		
-09	SB04.1_5-6		1227		AS	X		
-10	SB04.8_5-6		1150		AS	X		
-11	SB04.1_3-5		1224		AS	X		
-12	SB04.3_5-6		1315		AS	X		
-13	SB04.4_5-6		1318		MT	X		
-14	SB04.8_3-5		1140		AS	X		
-15	SB04.7_5-6		1040		AS	X		
-16	SB04.9_1-3		1441		AS	X		
-17	SB04.9_3-5	↓	1440	↓	AS	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Sappenfield	11/20/18 1517	Reme Krackson AAL	11/20 1517
	11/20 1830	D. Santos AAL	11/20/18 1845
D. Santos AAL	11/20/18 2325		11/20/18 2320

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

CHROME DELINEATION

Serial_No:12101812:50

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 4

Date Rec'd in Lab: 11/20/18

ALPHA Job #: L1847730

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th St.
Project Location: Queens, NY
Project #: 170572301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP + TAL Aluminum (HOLD)	Sample Specific Comments	Total Bottle
47730 -18	SB04.6_1-3	11/20	1411	SOIL	MT	X		
-19	SB04.9_5-6		1439		AS	X		
-20	SB04.2_3-5		1336		AS	X		
-21	SB04.2_5-6		1342		AS	X		
-22	SB04.7_3-5		1034		AS	X		
-23	SB04.5_1-3		1411		AS	X		
-24	SB04.6_3-5		1427		MT	X		
-25	SB04.5_5-6		1420		AS	X		
-26	SB04.8_1-3		1137		AS	X		
-27	SB04.3_1-3	↓	1300	↓	AS	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Schoppelrei	11/20/18 1517	Rennelk Jackson ALL	11/20 1517
	11/20 1930	D. Santos AAL	11/20/18 1845
P. Santos AAL	11/20/18 2320		11/20/18 2320

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

CHROME DELINEATION

Serial_No:12101812:50

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
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Mansfield, MA 02048
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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 4

Date Rec'd in Lab: 11/20/18

ALPHA Job #: L1847730

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: BSNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th St
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Sneed
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCLP + Trivalent Chromium (HELD)

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP + Trivalent Chromium (HELD)	Sample Specific Comments
L1847730 -28	SB04.4-3-5	11/20	1321	SOIL	MT	X	
-29	SB04.6-5-6		1421		MT	X	
-30	SB04.2-1-3		1331		AS	X	
-31	SB04.5-3-5		1414		AS	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Cristy Pappalardo	11/20/18 1517	Kimeik Jackson AAL	11/20 1517
	11/20 1930	D. Santos AAL	11/20/18 1845
D. Santos AAL	11/20/18 2320		11/20/18 2320

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1849188
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	12/05/18

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849188
Report Date: 12/05/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1849188-01	SB04_6-7	SOIL	QUEENS, NY	10/01/18 12:20	10/01/18

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849188
Report Date: 12/05/18

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:	37-11 30TH STREET	**Lab Number:**	L1849188
Project Number:	170512301	**Report Date:**	12/05/18

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 12/05/18

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1849188
Project Number: 170512301
Report Date: 12/05/18

SAMPLE RESULTS

Lab ID: L1849188-01
Client ID: SB04_6-7
Sample Location: QUEENS, NY
Date Collected: 10/01/18 12:20
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%
TCLP/SPLP Ext. Date: 12/03/18 15:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	9.40		mg/l	0.200	0.021	1	12/05/18 09:34	12/05/18 12:49	EPA 3015	1,6010D	LC

Project Name: 37-11 30TH STREET
Lab Number: L1849188
Project Number: 170512301
Report Date: 12/05/18

SAMPLE RESULTS

Lab ID: L1849188-01
Client ID: SB04_6-7
Sample Location: QUEENS, NY
Date Collected: 10/01/18 12:20
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	502		mg/kg	0.393	0.038	1	12/04/18 18:55	12/05/18 00:07	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1849188
Report Date: 12/05/18

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 Batch: WG1185558-1										
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/04/18 18:55	12/04/18 21:30	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1185747-1										
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/05/18 09:34	12/05/18 11:49	1,6010D	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/03/18 15:55

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1849188

Report Date: 12/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1185558-2 SRM Lot Number: D102-540								
Chromium, Total	97		-		83-117	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1185747-2								
Chromium, TCLP	100		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849188
Report Date: 12/05/18

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 QC Batch ID: WG1185558-3 WG1185558-4 QC Sample: L1848975-01 Client ID: MS Sample												
Chromium, Total	18.6	20.3	40.8	109		36.4	90		75-125	11		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1185747-3 QC Sample: L1847730-11 Client ID: MS Sample												
Chromium, TCLP	6.02	2	7.73	86		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1849188

Report Date: 12/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1185747-4 QC Sample: L1847730-11 Client ID: DUP Sample						
Chromium, TCLP	6.02	6.01	mg/l	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849188
Report Date: 12/05/18

SAMPLE RESULTS

Lab ID: L1849188-01
Client ID: SB04_6-7
Sample Location: QUEENS, NY

Date Collected: 10/01/18 12:20
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.3		%	0.100	NA	1	-	12/04/18 05:34	121,2540G	CG

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1849188

Report Date: 12/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1185248-1 QC Sample: L1849335-01 Client ID: DUP Sample						
Solids, Total	70.6	72.5	%	3		20

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849188
Report Date: 12/05/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849188-01A	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		TS(7)
L1849188-01S	Glass 60ml unpreserved split	B	NA		2.6	Y	Absent		CR-TI(180)
L1849188-01X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.6	Y	Absent		CR-CI(180)
L1849188-01X9	Tumble Vessel	B	NA		2.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1849188
Project Number:	170512301	**Report Date:**	12/05/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1849188
Project Number:	170512301	**Report Date:**	12/05/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH STREET	**Lab Number:**	L1849188
Project Number:	170512301	**Report Date:**	12/05/18

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.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

WC SOIL

JK 12/3/18 L1849188

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
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FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/2/18

ALPHA Job #: ~~L1837150~~

Client Information
Client: LANGAN, DPC
Address: 21 Penn Plaza NY, NY 10001
Phone:
Fax:
Email: RSnead@langan.com

Project Information
Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170572301
(Use Project name as Project #)
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other NYSDEC NYDOT LIST
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ to do
☐ to do
(Please Specify below)

PREPT, CR-TI, TS, PREPC, CR-CI

Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs/NYSDEC/NJDEP/TAL Metals	NYSDEC/NJDEP/TAL SVOCs	Pesticides	PCBs	TCLP Metals	PCB	Sample Specific Comments	Total Bottles
49188-01	SB04_1-2	10/1	1210	SOIL	AS	X				X		(3) VOA D) Plastic (1) 5oz	5
-02	SB04_2-3		1210										
-03	SB04_6-7		1220								X		
-04	SB04_8-9		1220										
-05	SB04_12-13		1230										
-06	SB04_14-15		1230										
-07	TRIPBLANK_100118			AQ		X						(2) VOA 3	2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stoppenbeck	10/1/18 1730	Romeik Jackson ATL	10/1 1730
	10/1 1400	Paul Mayella	10/1/18 2015
Paul Mayella	10/2/18 12:5?		10/2/18 2057

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1849739
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	12/07/18

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849739
Report Date: 12/07/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1849739-01	SB04_8-9	SOIL	QUEENS, NY	10/01/18 12:20	10/01/18

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849739
Report Date: 12/07/18

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:	37-11 30TH STREET	**Lab Number:**	L1849739
Project Number:	170512301	**Report Date:**	12/07/18

Case Narrative (continued)

Report Submission

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

Total Metals

The WG1186514-3 MS recovery, performed on L1849739-01, is outside the acceptance criteria for chromium (45%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 12/07/18

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1849739
Project Number: 170512301
Report Date: 12/07/18

SAMPLE RESULTS

Lab ID: L1849739-01
Client ID: SB04_8-9
Sample Location: QUEENS, NY
Date Collected: 10/01/18 12:20
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%
TCLP/SPLP Ext. Date: 12/05/18 19:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/07/18 07:54	12/07/18 11:03	EPA 3015	1,6010D	LC

Project Name: 37-11 30TH STREET
Lab Number: L1849739
Project Number: 170512301
Report Date: 12/07/18

SAMPLE RESULTS

Lab ID: L1849739-01
Client ID: SB04_8-9
Sample Location: QUEENS, NY
Date Collected: 10/01/18 12:20
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	32.7		mg/kg	0.435	0.042	1	12/06/18 18:40	12/06/18 22:20	EPA 3050B	1,6010D	MC

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1849739
Report Date: 12/07/18

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 Batch: WG1186514-1										
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/06/18 18:40	12/06/18 21:24	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1186675-7										
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/07/18 07:54	12/07/18 10:17	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 12/06/18 06:20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1849739

Report Date: 12/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1186514-2 SRM Lot Number: D102-540								
Chromium, Total	112		-		83-117	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1186675-8								
Chromium, TCLP	88		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849739
Report Date: 12/07/18

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 QC Batch ID: WG1186514-3 QC Sample: L1849739-01 Client ID: SB04_8-9												
Chromium, Total	32.7	17.2	40.4	**45**	Q	-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1186675-9 QC Sample: L1849254-02 Client ID: MS Sample												
Chromium, TCLP	ND	2	1.93	96		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1849739

Report Date: 12/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1186514-4 QC Sample: L1849739-01 Client ID: SB04_8-9						
Chromium, Total	32.7	27.2	mg/kg	18		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849739
Report Date: 12/07/18

SAMPLE RESULTS

Lab ID: L1849739-01
Client ID: SB04_8-9
Sample Location: QUEENS, NY

Date Collected: 10/01/18 12:20
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	12/05/18 22:28	121,2540G	WM

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1849739

Report Date: 12/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1186096-1 QC Sample: L1849306-21 Client ID: DUP Sample						
Solids, Total	99.2	99.5	%	0		20

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1849739
Report Date: 12/07/18

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(*)
L1849739-01A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		TS(7)
L1849739-01B	Glass 60ml unpreserved split	A	NA		2.6	Y	Absent		CR-TI(180)
L1849739-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		CR-CI(180)
L1849739-01X9	Tumble Vessel	A	NA		2.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1849739
Project Number:	170512301	**Report Date:**	12/07/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1849739
Project Number:	170512301	**Report Date:**	12/07/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH STREET	**Lab Number:**	L1849739
Project Number:	170512301	**Report Date:**	12/07/18

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.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

WL SOIL

L1849739 JM12/5/18

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/2/18

ALPHA Job #: L1849739

Client Information
Client: LANGAN, DPC
Address: 21 Penn Plaza NY, NY 10001
Phone:
Fax:
Email: esnead@langan.com

Project Information
Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #)
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [X] Other MSDE NYSDEC LIST
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[X] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[X] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

PREPT- CR-TI
PREPC- CR-CI

Sample Filtration
[ ] Done
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL/SIEPH	TAL/SIEPH	PCBs/Herbs	PCBs	TCL/TAL Metals	HOLDS		Sample Specific Comments	Total Bottle
49739-01	SB04-1-2	10/1	1210	SOIL	AS	X					X		(3)VOA()Plastic()8oz	5
-02	SB04-2-3	"	1210	"	"						X			
-03	SB04-6-7	"	1220	"	"						X			
-04	SB04-8-9	"	1220	"	"						X	X		
-05	SB04-12-13	"	1230	"	"						X			
-06	SB04-14-15	"	1230	"	"						X			
-07	TRIPBLANK-100118			AQ		X							(2)VOA3	2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stappenbeck	10/1/18 1730	Romeik Jackson ATL	10/1 1730
	10/1 1400	Paul Magella	10/1/18 2015
Paul Magella	10/2/18 12:57		10/2/18 0257

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1851880
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	12/26/18

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1851880
Report Date: 12/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1851880-01	SB06A_1-2	SOIL	LONG ISLAND CITY, NY	12/17/18 11:00	12/17/18
L1851880-02	SB06A_0-1	SOIL	LONG ISLAND CITY, NY	12/17/18 10:55	12/17/18
L1851880-03	SB06A_2-3	SOIL	LONG ISLAND CITY, NY	12/17/18 11:05	12/17/18

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1851880
Report Date: 12/26/18

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:	37-11 30TH STREET	**Lab Number:**	L1851880
Project Number:	170512301	**Report Date:**	12/26/18

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 12/26/18

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1851880
Project Number: 170512301
Report Date: 12/26/18

SAMPLE RESULTS

Lab ID: L1851880-01
Client ID: SB06A_1-2
Sample Location: LONG ISLAND CITY, NY
Date Collected: 12/17/18 11:00
Date Received: 12/17/18
Field Prep: Not Specified
Sample Depth:
TCLP/SPLP Ext. Date: 12/19/18 06:10
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	3.87		mg/l	0.500	0.027	1	12/20/18 15:29	12/21/18 18:38	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1851880
Project Number: 170512301
Report Date: 12/26/18

SAMPLE RESULTS

Lab ID: L1851880-01
Client ID: SB06A_1-2
Sample Location: LONG ISLAND CITY, NY
Date Collected: 12/17/18 11:00
Date Received: 12/17/18
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	1740		mg/kg	2.17	0.116	1	12/19/18 21:05	12/21/18 13:52	EPA 3050B	1,6010D	LC

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1851880
Report Date: 12/26/18

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 Batch: WG1191297-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	12/19/18 21:05	12/21/18 08:12	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1191731-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/20/18 15:29	12/21/18 18:02	1,6010D	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/19/18 06:10

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1851880

Report Date: 12/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1191297-2 SRM Lot Number: D102-540								
Lead, Total	100		-		82-118	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1191731-2								
Lead, TCLP	102		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1851880
Report Date: 12/26/18

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 QC Batch ID: WG1191297-3 QC Sample: L1851759-01 Client ID: MS Sample												
Lead, Total	99.6	45.2	114	**32**	Q	-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1191731-3 QC Sample: L1851880-01 Client ID: SB06A_1-2												
Lead, TCLP	3.87	5.1	8.38	88		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1851880

Report Date: 12/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1191297-4 QC Sample: L1851759-01 Client ID: DUP Sample						
Lead, Total	99.6	54.4	mg/kg	**59**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1191731-4 QC Sample: L1851880-01 Client ID: SB06A_1-2						
Lead, TCLP	3.87	3.65	mg/l	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1851880
Report Date: 12/26/18

SAMPLE RESULTS

Lab ID: L1851880-01
Client ID: SB06A_1-2
Sample Location: LONG ISLAND CITY, NY

Date Collected: 12/17/18 11:00
Date Received: 12/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	12/19/18 11:28	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1851880

Report Date: 12/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1191030-1 QC Sample: L1852145-02 Client ID: DUP Sample						
Solids, Total	83.9	81.5	%	3		20

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1851880
Report Date: 12/26/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1851880-01A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	Y	Absent		PB-TI(180)
L1851880-01B	Glass 250ml/8oz unpreserved	B	NA		3.2	Y	Absent		TS(7)
L1851880-01X	Plastic 120ml HNO3 preserved Extracts	B	NA		3.2	Y	Absent		PB-CI(180)
L1851880-01X9	Tumble Vessel	B	NA		3.2	Y	Absent		-
L1851880-02A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	Y	Absent		HOLD-METAL(180)
L1851880-02B	Glass 250ml/8oz unpreserved	B	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1851880-03A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	Y	Absent		HOLD-METAL(180)
L1851880-03B	Glass 250ml/8oz unpreserved	B	NA		3.2	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1851880
Project Number:	170512301	**Report Date:**	12/26/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1851880
Project Number:	170512301	**Report Date:**	12/26/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH STREET	**Lab Number:**	L1851880
Project Number:	170512301	**Report Date:**	12/26/18

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.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, 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

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/18/18

ALPHA Job #: L1851880

Client Information
Client: LANGAN NYC
Address: 21 PENN PLAZA 8 Fl
Phone:
Fax: NKUNG@LANGAN.com
Email: ESNEAD@LANGAN.com

Project Information
Project Name: 37-11 30th Street
Project Location: LONG ISLAND CITY, NY
Project # 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Standard PDF

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other TCL/TAL
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

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:

* HOLDS, CC Results to: Datamanagement@LANGAN.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total PCL PAH LEAD	Sample Specific Comments	Total Bottle
51880-01	SB06A_1-2	12/17/18	1100	Soil	JD	X	(1) 8oz, (1) 2oz	
-02	SB06A_0-1 *	"	1055	"	"	X	1	
-03	SB06A_2-3 *	"	1105	"	"	X		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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:	Date/Time	Received By:	Date/Time
	12/17/18 1330		
	12/17/18 2000	Paul Mazzella	12/17/18 20:00
Paul Mazzella	12/18/18 0012		12/18/18 6012

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1839312
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	10/05/18

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Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1839312-01	SB05_2-3	SOIL	LONG ISLAND CITY, NY	09/28/18 10:00	09/28/18
L1839312-02	SB05_12-13	SOIL	LONG ISLAND CITY, NY	09/28/18 10:15	09/28/18
L1839312-03	WC05_COMP_0-5	SOIL	LONG ISLAND CITY, NY	09/28/18 12:30	09/28/18
L1839312-04	WC05_COMP_5-10	SOIL	LONG ISLAND CITY, NY	09/28/18 13:00	09/28/18
L1839312-05	WC05_COMP_10-15	SOIL	LONG ISLAND CITY, NY	09/28/18 13:30	09/28/18
L1839312-06	TRIPBLANK_092818	WATER	LONG ISLAND CITY, NY	09/28/18 00:00	09/28/18

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

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: 37-11 30TH STREET **Lab Number:** L1839312
Project Number: 170512301 **Report Date:** 10/05/18

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
The project number was specified by the client.

Sample Receipt
L1839312-03: The collection date and time on the chain of custody was 28-SEP-18 10:25; however, the collection date/time on the container label was 28-SEP-18 12:30. At the client's request, the collection date/time is reported as 28-SEP-18 12:30.
L1839312-04: The collection date and time on the chain of custody was 28-SEP-18 10:35; however, the collection date/time on the container label was 28-SEP-18 13:00. At the client's request, the collection date/time is reported as 28-SEP-18 13:00.
L1839312-05: The collection date and time on the chain of custody was 28-SEP-18 10:45; however, the collection date/time on the container label was 28-SEP-18 13:30. At the client's request, the collection date/time is reported as 28-SEP-18 13:30.

Volatile Organics
L1839312-06: The Trip 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.

Total Metals
L1839312-03, -04 and -05: 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.
The WG1164359-1 Method Blank, associated with L1839312-03 through -05, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank

Project Name: 37-11 30TH STREET **Lab Number:** L1839312
Project Number: 170512301 **Report Date:** 10/05/18

Case Narrative (continued)

concentration for this analyte, no corrective action is required.

Cyanide, Total

The WG1162467-3 LCSD recovery (69%), associated with L1839312-03 through -05, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Hexavalent Chromium

The WG1162997-2 LCS recovery (78%), associated with L1839312-03 through -05, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 10/05/18

ORGANICS

VOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-01
Client ID: SB05_2-3
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 10:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/04/18 18:14
Analyst: KJD
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	8.4		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-01 Date Collected: 09/28/18 10:00

Client ID: SB05_2-3 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	30		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.4	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-01 Date Collected: 09/28/18 10:00

Client ID: SB05_2-3 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	0.99	1
Acrolein	ND		ug/kg	26	5.9	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	100	37.	1
Freon-113	ND		ug/kg	4.2	0.72	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	91		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-02
Client ID: SB05_12-13
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 10:15
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/04/18 18:42
Analyst: KJD
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	0.87		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.91	0.49	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-02 Date Collected: 09/28/18 10:15

Client ID: SB05_12-13 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	1
Acetone	47		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	1.5	J	ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1
Tert-Butyl Alcohol	ND		ug/kg	18	4.7	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-02 Date Collected: 09/28/18 10:15

Client ID: SB05_12-13 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
Methyl Acetate	ND		ug/kg	3.6	0.86	1
Acrolein	ND		ug/kg	23	5.1	1
Cyclohexane	ND		ug/kg	9.1	0.50	1
1,4-Dioxane	ND		ug/kg	91	32.	1
Freon-113	ND		ug/kg	3.6	0.63	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Methyl cyclohexane	ND		ug/kg	3.6	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	89		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-06
Client ID: TRIPBLANK_092818
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 00:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/04/18 21:06
Analyst: NLK

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

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-06 Date Collected: 09/28/18 00:00

Client ID: TRIPBLANK_092818 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.8		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
Acrolein	ND		ug/l	5.0	0.44	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

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-06
Client ID: TRIPBLANK_092818
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 00:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	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
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 09:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1164205-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 09:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1164205-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 09:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1164205-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 09:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1164205-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	91		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 19:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1164707-5					
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: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 19:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1164707-5					
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
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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 19:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1164707-5					
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 19:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1164707-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1164205-3 WG1164205-4								
Methylene chloride	97		96		70-130	1		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		96		70-130	0		30
Carbon tetrachloride	83		82		70-130	1		30
1,2-Dichloropropane	101		100		70-130	1		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	119		117		70-130	2		30
Tetrachloroethene	93		90		70-130	3		30
Chlorobenzene	100		99		70-130	1		30
Trichlorofluoromethane	125		122		70-139	2		30
1,2-Dichloroethane	92		91		70-130	1		30
1,1,1-Trichloroethane	86		84		70-130	2		30
Bromodichloromethane	90		90		70-130	0		30
trans-1,3-Dichloropropene	109		108		70-130	1		30
cis-1,3-Dichloropropene	93		91		70-130	2		30
1,1-Dichloropropene	93		91		70-130	2		30
Bromoform	93		94		70-130	1		30
1,1,2,2-Tetrachloroethane	126		124		70-130	2		30
Benzene	107		105		70-130	2		30
Toluene	113		111		70-130	2		30
Ethylbenzene	115		113		70-130	2		30
Chloromethane	76		76		52-130	0		30
Bromomethane	126		127		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1164205-3 WG1164205-4								
Vinyl chloride	111		109		67-130	2		30
Chloroethane	128		122		50-151	5		30
1,1-Dichloroethene	87		86		65-135	1		30
trans-1,2-Dichloroethene	91		88		70-130	3		30
Trichloroethene	90		89		70-130	1		30
1,2-Dichlorobenzene	108		107		70-130	1		30
1,3-Dichlorobenzene	108		107		70-130	1		30
1,4-Dichlorobenzene	110		108		70-130	2		30
Methyl tert butyl ether	84		83		66-130	1		30
p/m-Xylene	110		106		70-130	4		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	95		94		70-130	1		30
Dibromomethane	92		91		70-130	1		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	84		83		30-146	1		30
Acetone	104		105		54-140	1		30
Carbon disulfide	81		80		59-130	1		30
2-Butanone	70		77		70-130	10		30
Vinyl acetate	**63**	Q	**63**	Q	70-130	0		30
4-Methyl-2-pentanone	103		100		70-130	3		30
1,2,3-Trichloropropane	126		124		68-130	2		30
2-Hexanone	88		89		70-130	1		30
Bromochloromethane	85		84		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1164205-3 WG1164205-4								
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	108		106		70-130	2		30
1,3-Dichloropropane	118		117		69-130	1		30
1,1,1,2-Tetrachloroethane	91		91		70-130	0		30
Bromobenzene	102		103		70-130	1		30
n-Butylbenzene	**132**	Q	**132**	Q	70-130	0		30
sec-Butylbenzene	123		119		70-130	3		30
tert-Butylbenzene	115		113		70-130	2		30
o-Chlorotoluene	107		126		70-130	16		30
p-Chlorotoluene	122		119		70-130	2		30
1,2-Dibromo-3-chloropropane	98		98		68-130	0		30
Hexachlorobutadiene	99		97		67-130	2		30
Isopropylbenzene	120		118		70-130	2		30
p-Isopropyltoluene	116		114		70-130	2		30
Naphthalene	107		107		70-130	0		30
Acrylonitrile	100		99		70-130	1		30
Tert-Butyl Alcohol	79		78		70-130	1		30
n-Propylbenzene	127		125		70-130	2		30
1,2,3-Trichlorobenzene	103		101		70-130	2		30
1,2,4-Trichlorobenzene	104		105		70-130	1		30
1,3,5-Trimethylbenzene	118		118		70-130	0		30
1,2,4-Trimethylbenzene	118		117		70-130	1		30
Methyl Acetate	88		85		51-146	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1164205-3 WG1164205-4								
Acrolein	72		71		70-130	1		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	85		85		65-136	0		30
Freon-113	86		84		50-139	2		30
p-Diethylbenzene	111		110		70-130	1		30
p-Ethyltoluene	116		114		70-130	2		30
1,2,4,5-Tetramethylbenzene	106		106		70-130	0		30
Ethyl ether	128		123		67-130	4		30
trans-1,4-Dichloro-2-butene	111		107		70-130	4		30
Methyl cyclohexane	93		91		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	107		109		70-130
Dibromofluoromethane	91		90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1164707-3 WG1164707-4								
Methylene chloride	81		85		70-130	5		20
1,1-Dichloroethane	95		99		70-130	4		20
Chloroform	82		85		70-130	4		20
Carbon tetrachloride	82		87		63-132	6		20
1,2-Dichloropropane	95		100		70-130	5		20
Dibromochloromethane	84		88		63-130	5		20
1,1,2-Trichloroethane	84		89		70-130	6		20
Tetrachloroethene	90		98		70-130	9		20
Chlorobenzene	86		92		75-130	7		20
Trichlorofluoromethane	84		89		62-150	6		20
1,2-Dichloroethane	93		94		70-130	1		20
1,1,1-Trichloroethane	86		89		67-130	3		20
Bromodichloromethane	80		84		67-130	5		20
trans-1,3-Dichloropropene	80		85		70-130	6		20
cis-1,3-Dichloropropene	78		82		70-130	5		20
1,1-Dichloropropene	83		88		70-130	6		20
Bromoform	77		81		54-136	5		20
1,1,2,2-Tetrachloroethane	83		83		67-130	0		20
Benzene	85		89		70-130	5		20
Toluene	86		93		70-130	8		20
Ethylbenzene	89		93		70-130	4		20
Chloromethane	100		110		64-130	10		20
Bromomethane	**30**	Q	**38**	Q	39-139	**24**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1164707-3 WG1164707-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	82		86		61-145	5		20
trans-1,2-Dichloroethene	81		86		70-130	6		20
Trichloroethene	82		86		70-130	5		20
1,2-Dichlorobenzene	89		94		70-130	5		20
1,3-Dichlorobenzene	91		96		70-130	5		20
1,4-Dichlorobenzene	89		93		70-130	4		20
Methyl tert butyl ether	80		82		63-130	2		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	82		86		70-130	5		20
Dibromomethane	80		81		70-130	1		20
1,2,3-Trichloropropane	79		80		64-130	1		20
Acrylonitrile	100		100		70-130	0		20
Tert-Butyl Alcohol	112		118		70-130	5		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	97		100		36-147	3		20
Acetone	110		100		58-148	10		20
Carbon disulfide	83		87		51-130	5		20
2-Butanone	83		79		63-138	5		20
Vinyl acetate	97		99		70-130	2		20
4-Methyl-2-pentanone	100		100		59-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1164707-3 WG1164707-4								
2-Hexanone	81		84		57-130	4		20
Acrolein	54		59		40-160	9		20
Bromochloromethane	89		92		70-130	3		20
2,2-Dichloropropane	84		87		63-133	4		20
1,2-Dibromoethane	83		89		70-130	7		20
1,3-Dichloropropane	83		88		70-130	6		20
1,1,1,2-Tetrachloroethane	87		94		64-130	8		20
Bromobenzene	87		90		70-130	3		20
n-Butylbenzene	95		99		53-136	4		20
sec-Butylbenzene	98		100		70-130	2		20
tert-Butylbenzene	95		99		70-130	4		20
o-Chlorotoluene	93		95		70-130	2		20
p-Chlorotoluene	92		94		70-130	2		20
1,2-Dibromo-3-chloropropane	69		74		41-144	7		20
Hexachlorobutadiene	86		93		63-130	8		20
Isopropylbenzene	96		99		70-130	3		20
p-Isopropyltoluene	98		100		70-130	2		20
Naphthalene	**59**	Q	**66**	Q	70-130	11		20
n-Propylbenzene	95		97		69-130	2		20
1,2,3-Trichlorobenzene	**61**	Q	**67**	Q	70-130	9		20
1,2,4-Trichlorobenzene	74		80		70-130	8		20
1,3,5-Trimethylbenzene	97		100		64-130	3		20
1,2,4-Trimethylbenzene	95		100		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1164707-3 WG1164707-4								
Methyl Acetate	99		99		70-130	0		20
Cyclohexane	110		120		70-130	9		20
1,4-Dioxane	96		108		56-162	12		20
Freon-113	88		93		70-130	6		20
p-Diethylbenzene	98		100		70-130	2		20
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	90		94		70-130	4		20
Ethyl ether	82		84		59-134	2		20
trans-1,4-Dichloro-2-butene	110		120		70-130	9		20
Methyl cyclohexane	90		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		98		70-130
Toluene-d8	99		102		70-130
4-Bromofluorobenzene	99		95		70-130
Dibromofluoromethane	94		93		70-130

SEMIVOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/18 06:39
Analyst: RC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Benzidine	ND		ug/kg	650	210	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	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	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
Azobenzene	ND		ug/kg	200	19.	1
Fluoranthene	390		ug/kg	120	23.	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	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	61	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	50.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03 Date Collected: 09/28/18 12:30

Client ID: WC05_COMP_0-5 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	160		ug/kg	120	22.	1
Benzo(a)pyrene	160		ug/kg	160	48.	1
Benzo(b)fluoranthene	160		ug/kg	120	33.	1
Benzo(k)fluoranthene	93	J	ug/kg	120	31.	1
Chrysene	170		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	140		ug/kg	120	38.	1
Benzo(ghi)perylene	86	J	ug/kg	160	23.	1
Fluorene	120	J	ug/kg	200	19.	1
Phenanthrene	660		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	84	J	ug/kg	160	27.	1
Pyrene	460		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	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	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	82	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
n-Nitrosodimethylamine	ND		ug/kg	390	38.	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	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03 Date Collected: 09/28/18 12:30

Client ID: WC05_COMP_0-5 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	50		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/18 12:11
Analyst: IM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
Benzidine	ND		ug/kg	720	240	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Azobenzene	ND		ug/kg	220	21.	1
Fluoranthene	120	J	ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	210	J	ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04 Date Collected: 09/28/18 13:00

Client ID: WC05_COMP_5-10 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	63	J	ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	53.	1
Benzo(b)fluoranthene	55	J	ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	54	J	ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	34	J	ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	120	J	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	36	J	ug/kg	180	30.	1
Pyrene	100	J	ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
n-Nitrosodimethylamine	ND		ug/kg	440	42.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	310	89.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04 Date Collected: 09/28/18 13:00

Client ID: WC05_COMP_5-10 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	59.	1
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	70		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/18 12:37
Analyst: IM
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
Benzidine	ND		ug/kg	550	180	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	16.	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	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	33.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Azobenzene	ND		ug/kg	170	16.	1
Fluoranthene	ND		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	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	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

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05 Date Collected: 09/28/18 13:30

Client ID: WC05_COMP_10-15 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1
Diethyl phthalate	ND		ug/kg	170	15.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
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	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	32.	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	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	69.	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	17.	1
Acetophenone	ND		ug/kg	170	21.	1
n-Nitrosodimethylamine	ND		ug/kg	330	32.	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	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05 Date Collected: 09/28/18 13:30

Client ID: WC05_COMP_10-15 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	51.	1
Carbazole	ND		ug/kg	170	16.	1
Atrazine	ND		ug/kg	130	58.	1
Benzaldehyde	ND		ug/kg	220	45.	1
Caprolactam	ND		ug/kg	170	51.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	82		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/05/18 00:20
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/02/18 05:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-05 Batch: WG1162987-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
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.
Azobenzene	ND		ug/kg	160	16.
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	26.
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.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/05/18 00:20
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/02/18 05:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-05 Batch: WG1162987-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
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	26.
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.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/05/18 00:20
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/02/18 05:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-05 Batch: WG1162987-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
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	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Tentatively Identified Compounds

Total TIC Compounds	146	J	ug/kg
Unknown Ketone	146	J	ug/kg

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/05/18 00:20
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/02/18 05:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-05 Batch: WG1162987-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1162987-2 WG1162987-3								
Acenaphthene	81		84		31-137	4		50
Benzidine	35		40		10-66	13		50
1,2,4-Trichlorobenzene	72		74		38-107	3		50
Hexachlorobenzene	77		82		40-140	6		50
Bis(2-chloroethyl)ether	75		75		40-140	0		50
2-Chloronaphthalene	76		78		40-140	3		50
1,2-Dichlorobenzene	79		77		40-140	3		50
1,3-Dichlorobenzene	73		72		40-140	1		50
1,4-Dichlorobenzene	73		71		28-104	3		50
3,3'-Dichlorobenzidine	68		71		40-140	4		50
2,4-Dinitrotoluene	81		82		40-132	1		50
2,6-Dinitrotoluene	76		81		40-140	6		50
Azobenzene	79		82		40-140	4		50
Fluoranthene	78		81		40-140	4		50
4-Chlorophenyl phenyl ether	73		75		40-140	3		50
4-Bromophenyl phenyl ether	68		73		40-140	7		50
Bis(2-chloroisopropyl)ether	96		98		40-140	2		50
Bis(2-chloroethoxy)methane	79		81		40-117	3		50
Hexachlorobutadiene	68		68		40-140	0		50
Hexachlorocyclopentadiene	67		70		40-140	4		50
Hexachloroethane	80		82		40-140	2		50
Isophorone	84		86		40-140	2		50
Naphthalene	77		78		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1162987-2 WG1162987-3								
Nitrobenzene	74		75		40-140	1		50
NDPA/DPA	79		83		36-157	5		50
n-Nitrosodi-n-propylamine	79		82		32-121	4		50
Bis(2-ethylhexyl)phthalate	95		99		40-140	4		50
Butyl benzyl phthalate	84		91		40-140	8		50
Di-n-butylphthalate	84		90		40-140	7		50
Di-n-octylphthalate	97		100		40-140	3		50
Diethyl phthalate	82		86		40-140	5		50
Dimethyl phthalate	76		80		40-140	5		50
Benzo(a)anthracene	71		76		40-140	7		50
Benzo(a)pyrene	84		89		40-140	6		50
Benzo(b)fluoranthene	72		75		40-140	4		50
Benzo(k)fluoranthene	96		101		40-140	5		50
Chrysene	85		90		40-140	6		50
Acenaphthylene	78		78		40-140	0		50
Anthracene	81		88		40-140	8		50
Benzo(ghi)perylene	78		83		40-140	6		50
Fluorene	80		83		40-140	4		50
Phenanthrene	76		81		40-140	6		50
Dibenzo(a,h)anthracene	80		84		40-140	5		50
Indeno(1,2,3-cd)pyrene	72		76		40-140	5		50
Pyrene	75		82		35-142	9		50
Biphenyl	82		81		54-104	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1162987-2 WG1162987-3								
4-Chloroaniline	74		78		40-140	5		50
2-Nitroaniline	81		87		47-134	7		50
3-Nitroaniline	72		76		26-129	5		50
4-Nitroaniline	75		83		41-125	10		50
Dibenzofuran	79		82		40-140	4		50
2-Methylnaphthalene	75		76		40-140	1		50
1,2,4,5-Tetrachlorobenzene	69		70		40-117	1		50
Acetophenone	81		84		14-144	4		50
n-Nitrosodimethylamine	72		71		22-100	1		50
2,4,6-Trichlorophenol	70		71		30-130	1		50
p-Chloro-m-cresol	75		79		26-103	5		50
2-Chlorophenol	82		84		25-102	2		50
2,4-Dichlorophenol	81		82		30-130	1		50
2,4-Dimethylphenol	83		84		30-130	1		50
2-Nitrophenol	81		83		30-130	2		50
4-Nitrophenol	82		91		11-114	10		50
2,4-Dinitrophenol	49		57		4-130	15		50
4,6-Dinitro-o-cresol	63		71		10-130	12		50
Pentachlorophenol	67		73		17-109	9		50
Phenol	76		78		26-90	3		50
2-Methylphenol	86		86		30-130.	0		50
3-Methylphenol/4-Methylphenol	90		91		30-130	1		50
2,4,5-Trichlorophenol	68		74		30-130	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1162987-2 WG1162987-3								
Benzoic Acid	32		46		10-110	36		50
Benzyl Alcohol	73		77		40-140	5		50
Carbazole	80		86		54-128	7		50
Atrazine	91		93		40-140	2		50
Benzaldehyde	67		66		40-140	2		50
Caprolactam	92		98		15-130	6		50
2,3,4,6-Tetrachlorophenol	69		77		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		81		25-120
Phenol-d6	80		82		10-120
Nitrobenzene-d5	70		75		23-120
2-Fluorobiphenyl	71		71		30-120
2,4,6-Tribromophenol	76		78		10-136
4-Terphenyl-d14	62		66		18-120

PETROLEUM HYDROCARBONS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-01
Client ID: SB05_2-3
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 10:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/03/18 19:19
Analyst: LL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 21:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.4	26.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	86		40-140
o-Terphenyl	84		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-02
Client ID: SB05_12-13
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 10:15
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/03/18 19:48
Analyst: LL
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 21:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	23.4	23.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		40-140
o-Terphenyl	85		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 10/03/18 17:19
Analyst: LL

Extraction Method: EPA 3546
Extraction Date: 10/02/18 21:28

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-02 Batch: WG1163388-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	84		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 Batch: WG1163388-2 WG1163388-3								
Total EPH	102		108		40-140	6		25
Nonane (C9)	71		83		40-140	16		25
Decane (C10)	83		95		40-140	13		25
Dodecane (C12)	80		92		40-140	14		25
Tetradecane (C14)	80		92		40-140	14		25
Hexadecane (C16)	88		95		40-140	8		25
Octadecane (C18)	96		100		40-140	4		25
Eicosane (C20)	98		101		40-140	3		25
Heneicosane (C21)	98		102		40-140	4		25
Docosane (C22)	98		101		40-140	3		25
Tetracosane (C24)	99		101		40-140	2		25
Hexacosane (C26)	99		102		40-140	3		25
Octacosane (C28)	98		101		40-140	3		25
Triacontane (C30)	98		101		40-140	3		25
Dotriacontane (C32)	98		101		40-140	3		25
Tetratriacontane (C34)	97		102		40-140	5		25
Hexatriacontane (C36)	101		104		40-140	3		25
Octatriacontane (C38)	102		105		40-140	3		25
Tetracontane (C40)	106		109		40-140	3		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 Batch: WG1163388-2 WG1163388-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	88		90		40-140
o-Terphenyl	87		89		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1163388-4 QC Sample: L1839221-01 Client ID: MS Sample												
Total EPH	ND	270	281	104		-	-		40-140	-		50
Nonane (C9)	ND	7.5	6.22	83		-	-		40-140	-		50
Decane (C10)	ND	7.5	7.08	94		-	-		40-140	-		50
Dodecane (C12)	ND	7.5	6.76	90		-	-		40-140	-		50
Tetradecane (C14)	ND	7.5	6.69	89		-	-		40-140	-		50
Hexadecane (C16)	ND	7.5	6.81	91		-	-		40-140	-		50
Octadecane (C18)	ND	7.5	7.10	95		-	-		40-140	-		50
Eicosane (C20)	ND	7.5	7.12	95		-	-		40-140	-		50
Heneicosane (C21)	ND	7.5	7.14	95		-	-		40-140	-		50
Docosane (C22)	ND	7.5	7.14	95		-	-		40-140	-		50
Tetracosane (C24)	ND	7.5	7.17	96		-	-		40-140	-		50
Hexacosane (C26)	ND	7.5	7.19	96		-	-		40-140	-		50
Octacosane (C28)	ND	7.5	7.11	95		-	-		40-140	-		50
Triacontane (C30)	ND	7.5	7.11	95		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.5	7.04	94		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.5	6.82	91		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.5	7.13	95		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.5	7.05	94		-	-		40-140	-		50
Tetracontane (C40)	ND	7.5	7.34	98		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	86				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1163388-4 QC Sample: L1839221-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	86				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1163388-5 QC Sample: L1839221-01 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		89		40-140
o-Terphenyl	81		89		40-140

PCBS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/04/18 21:31
Analyst: AWS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 00:22
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	3.33	1	A
Aroclor 1221	ND		ug/kg	37.5	3.76	1	A
Aroclor 1232	ND		ug/kg	37.5	7.96	1	A
Aroclor 1242	ND		ug/kg	37.5	5.06	1	A
Aroclor 1248	ND		ug/kg	37.5	5.63	1	A
Aroclor 1254	12.1	J	ug/kg	37.5	4.11	1	A
Aroclor 1260	7.42	J	ug/kg	37.5	6.94	1	A
Aroclor 1262	ND		ug/kg	37.5	4.77	1	A
Aroclor 1268	ND		ug/kg	37.5	3.89	1	A
PCBs, Total	19.5	J	ug/kg	37.5	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/04/18 21:44
Analyst: AWS
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 01:10
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.6	3.79	1	A
Aroclor 1221	ND		ug/kg	42.6	4.27	1	A
Aroclor 1232	ND		ug/kg	42.6	9.04	1	A
Aroclor 1242	ND		ug/kg	42.6	5.75	1	A
Aroclor 1248	ND		ug/kg	42.6	6.40	1	A
Aroclor 1254	ND		ug/kg	42.6	4.66	1	A
Aroclor 1260	ND		ug/kg	42.6	7.88	1	A
Aroclor 1262	ND		ug/kg	42.6	5.42	1	A
Aroclor 1268	ND		ug/kg	42.6	4.42	1	A
PCBs, Total	ND		ug/kg	42.6	3.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/04/18 21:56
Analyst: AWS
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 01:11
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.8	2.92	1	A
Aroclor 1221	ND		ug/kg	32.8	3.29	1	A
Aroclor 1232	ND		ug/kg	32.8	6.96	1	A
Aroclor 1242	ND		ug/kg	32.8	4.43	1	A
Aroclor 1248	ND		ug/kg	32.8	4.93	1	A
Aroclor 1254	ND		ug/kg	32.8	3.59	1	A
Aroclor 1260	ND		ug/kg	32.8	6.07	1	A
Aroclor 1262	ND		ug/kg	32.8	4.17	1	A
Aroclor 1268	ND		ug/kg	32.8	3.40	1	A
PCBs, Total	ND		ug/kg	32.8	2.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/02/18 21:46
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/02/18 00:23
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-05 Batch: WG1162940-1						
Aroclor 1016	ND		ug/kg	31.9	2.84	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.77	A
Aroclor 1242	ND		ug/kg	31.9	4.31	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.50	A
Aroclor 1260	ND		ug/kg	31.9	5.90	A
Aroclor 1262	ND		ug/kg	31.9	4.06	A
Aroclor 1268	ND		ug/kg	31.9	3.31	A
PCBs, Total	ND		ug/kg	31.9	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-05 Batch: WG1162940-2 WG1162940-3									
Aroclor 1016	74		78		40-140	5		50	A
Aroclor 1260	65		68		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		76		30-150	A
Decachlorobiphenyl	63		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		76		30-150	B
Decachlorobiphenyl	68		69		30-150	B

PESTICIDES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/04/18 18:12
Analyst: KEG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 02:53
Cleanup Method: EPA 3620B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.792	0.354	1	A
Alpha-BHC	ND		ug/kg	0.792	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.721	1	A
Heptachlor	ND		ug/kg	0.951	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.669	1	A
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1	A
Endrin	ND		ug/kg	0.792	0.325	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.832	1	A
Endrin ketone	ND		ug/kg	1.90	0.490	1	A
Dieldrin	ND		ug/kg	1.19	0.594	1	A
4,4'-DDE	ND		ug/kg	1.90	0.440	1	A
4,4'-DDD	ND		ug/kg	1.90	0.678	1	A
4,4'-DDT	ND		ug/kg	3.56	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.449	1	A
Endosulfan II	ND		ug/kg	1.90	0.635	1	A
Endosulfan sulfate	ND		ug/kg	0.792	0.377	1	A
Methoxychlor	ND		ug/kg	3.56	1.11	1	A
Toxaphene	ND		ug/kg	35.6	9.98	1	A
cis-Chlordane	ND		ug/kg	2.38	0.662	1	A
trans-Chlordane	ND		ug/kg	2.38	0.627	1	A
Chlordane	ND		ug/kg	15.4	6.30	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03 Date Collected: 09/28/18 12:30

Client ID: WC05_COMP_0-5 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/05/18 07:13
Analyst: SL
Percent Solids: 84%
Methylation Date: 10/02/18 21:58

Extraction Method: EPA 8151A
Extraction Date: 10/01/18 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	12.3	1	A
2,4,5-T	ND		ug/kg	196	6.07	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	5.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	74		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/04/18 18:25
Analyst: KEG
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 02:53
Cleanup Method: EPA 3620B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.06	0.404	1	A
Lindane	ND		ug/kg	0.859	0.384	1	A
Alpha-BHC	ND		ug/kg	0.859	0.244	1	A
Beta-BHC	ND		ug/kg	2.06	0.781	1	A
Heptachlor	ND		ug/kg	1.03	0.462	1	A
Aldrin	ND		ug/kg	2.06	0.726	1	A
Heptachlor epoxide	ND		ug/kg	3.86	1.16	1	A
Endrin	ND		ug/kg	0.859	0.352	1	A
Endrin aldehyde	ND		ug/kg	2.58	0.902	1	A
Endrin ketone	ND		ug/kg	2.06	0.531	1	A
Dieldrin	ND		ug/kg	1.29	0.644	1	A
4,4'-DDE	ND		ug/kg	2.06	0.477	1	A
4,4'-DDD	ND		ug/kg	2.06	0.735	1	A
4,4'-DDT	ND		ug/kg	3.86	1.66	1	A
Endosulfan I	ND		ug/kg	2.06	0.487	1	A
Endosulfan II	ND		ug/kg	2.06	0.689	1	A
Endosulfan sulfate	ND		ug/kg	0.859	0.409	1	A
Methoxychlor	ND		ug/kg	3.86	1.20	1	A
Toxaphene	ND		ug/kg	38.6	10.8	1	A
cis-Chlordane	ND		ug/kg	2.58	0.718	1	A
trans-Chlordane	ND		ug/kg	2.58	0.680	1	A
Chlordane	ND		ug/kg	16.7	6.83	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04 Date Collected: 09/28/18 13:00

Client ID: WC05_COMP_5-10 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/05/18 07:32
Analyst: SL
Percent Solids: 75%
Methylation Date: 10/02/18 21:58

Extraction Method: EPA 8151A
Extraction Date: 10/01/18 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	223	14.1	1	A
2,4,5-T	ND		ug/kg	223	6.92	1	A
2,4,5-TP (Silvex)	ND		ug/kg	223	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	77		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/04/18 18:38
Analyst: KEG
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 02:53
Cleanup Method: EPA 3620B
Cleanup Date: 10/02/18

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	0.681	0.304	1	A
Alpha-BHC	ND		ug/kg	0.681	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.619	1	A
Heptachlor	ND		ug/kg	0.817	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.575	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.919	1	A
Endrin	ND		ug/kg	0.681	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.715	1	A
Endrin ketone	ND		ug/kg	1.63	0.421	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	0.583	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	0.681	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.953	1	A
Toxaphene	ND		ug/kg	30.6	8.58	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

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05 Date Collected: 09/28/18 13:30

Client ID: WC05_COMP_10-15 Date Received: 09/28/18

Sample Location: LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/05/18 07:52
Analyst: SL
Percent Solids: 97%
Methylation Date: 10/02/18 21:58

Extraction Method: EPA 8151A
Extraction Date: 10/01/18 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	166	10.5	1	A
2,4,5-T	ND		ug/kg	166	5.15	1	A
2,4,5-TP (Silvex)	ND		ug/kg	166	4.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	80		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/02/18 14:55
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 09/30/18 13:33

Methylation Date: 10/02/18 09:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-05 Batch: WG1162464-1						
2,4-D	ND		ug/kg	166	10.4	A
2,4,5-T	ND		ug/kg	166	5.15	A
2,4,5-TP (Silvex)	ND		ug/kg	166	4.42	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	91		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/04/18 19:27
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/02/18 02:53
Cleanup Method: EPA 3620B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-05 Batch: WG1162959-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/04/18 19:27
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/02/18 02:53
Cleanup Method: EPA 3620B
Cleanup Date: 10/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-05 Batch: WG1162959-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	82		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-05 Batch: WG1162464-2 WG1162464-3									
2,4-D	110		119		30-150	8		30	A
2,4,5-T	86		91		30-150	6		30	A
2,4,5-TP (Silvex)	82		86		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	93		101		30-150	A
DCAA	90		104		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-05 Batch: WG1162959-2 WG1162959-3									
Delta-BHC	100		119		30-150	17		30	A
Lindane	94		109		30-150	15		30	A
Alpha-BHC	90		103		30-150	13		30	A
Beta-BHC	121		121		30-150	0		30	A
Heptachlor	104		122		30-150	16		30	A
Aldrin	93		108		30-150	15		30	A
Heptachlor epoxide	104		119		30-150	13		30	A
Endrin	108		124		30-150	14		30	A
Endrin aldehyde	70		87		30-150	22		30	A
Endrin ketone	101		123		30-150	20		30	A
Dieldrin	108		124		30-150	14		30	A
4,4'-DDE	94		107		30-150	13		30	A
4,4'-DDD	98		114		30-150	15		30	A
4,4'-DDT	108		124		30-150	14		30	A
Endosulfan I	93		106		30-150	13		30	A
Endosulfan II	96		110		30-150	14		30	A
Endosulfan sulfate	87		103		30-150	17		30	A
Methoxychlor	116		133		30-150	14		30	A
cis-Chlordane	81		94		30-150	15		30	A
trans-Chlordane	77		84		30-150	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-05 Batch: WG1162959-2 WG1162959-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		93		30-150	B
Decachlorobiphenyl	61		84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		94		30-150	A
Decachlorobiphenyl	81		98		30-150	A

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1839312
Project Number: 170512301
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%
TCLP/SPLP Ext. Date: 09/30/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.022	J	mg/l	1.00	0.019	1	10/04/18 15:12	10/04/18 18:56	EPA 3015	1,6010D	AB
Barium, TCLP	0.737		mg/l	0.500	0.021	1	10/04/18 15:12	10/04/18 18:56	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/04/18 15:12	10/04/18 18:56	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/04/18 15:12	10/04/18 18:56	EPA 3015	1,6010D	AB
Lead, TCLP	0.098	J	mg/l	0.500	0.027	1	10/04/18 15:12	10/04/18 18:56	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/04/18 12:40	10/04/18 21:46	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/04/18 15:12	10/04/18 18:56	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/04/18 15:12	10/04/18 18:56	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
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	9780		mg/kg	9.49	2.56	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Antimony, Total	0.958	J	mg/kg	4.74	0.361	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Arsenic, Total	4.56		mg/kg	0.949	0.197	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Barium, Total	92.4		mg/kg	0.949	0.165	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Beryllium, Total	0.465	J	mg/kg	0.474	0.031	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Cadmium, Total	0.342	J	mg/kg	0.949	0.093	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Calcium, Total	3740		mg/kg	9.49	3.32	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Chromium, Total	15.8		mg/kg	0.949	0.091	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Cobalt, Total	5.35		mg/kg	1.90	0.158	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Copper, Total	19.3		mg/kg	0.949	0.245	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Iron, Total	13500		mg/kg	4.74	0.857	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Lead, Total	78.6		mg/kg	4.74	0.254	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Magnesium, Total	1910		mg/kg	9.49	1.46	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Manganese, Total	552		mg/kg	0.949	0.151	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Mercury, Total	0.222		mg/kg	0.075	0.016	1	10/05/18 04:30	10/05/18 12:29	EPA 7471B	1,7471B	MG
Nickel, Total	8.80		mg/kg	2.37	0.230	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Potassium, Total	453		mg/kg	237	13.7	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Selenium, Total	0.645	J	mg/kg	1.90	0.245	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.949	0.268	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Sodium, Total	111	J	mg/kg	190	2.99	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Thallium, Total	0.465	J	mg/kg	1.90	0.299	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Vanadium, Total	19.0		mg/kg	0.949	0.193	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
Zinc, Total	64.0		mg/kg	4.74	0.278	2	10/04/18 20:55	10/05/18 11:18	EPA 3050B	1,6010D	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.95	0.95	1		10/05/18 11:18	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1839312
Project Number: 170512301
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%
TCLP/SPLP Ext. Date: 09/30/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/04/18 15:12	10/04/18 19:01	EPA 3015	1,6010D	AB
Barium, TCLP	0.238	J	mg/l	0.500	0.021	1	10/04/18 15:12	10/04/18 19:01	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/04/18 15:12	10/04/18 19:01	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/04/18 15:12	10/04/18 19:01	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/04/18 15:12	10/04/18 19:01	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/04/18 12:40	10/04/18 21:48	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/04/18 15:12	10/04/18 19:01	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/04/18 15:12	10/04/18 19:01	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1839312
Project Number: 170512301
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6170		mg/kg	10.2	2.77	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Antimony, Total	ND		mg/kg	5.12	0.389	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Arsenic, Total	1.52		mg/kg	1.02	0.213	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Barium, Total	27.8		mg/kg	1.02	0.178	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Beryllium, Total	0.164	J	mg/kg	0.512	0.034	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Cadmium, Total	0.184	J	mg/kg	1.02	0.100	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Calcium, Total	848		mg/kg	10.2	3.59	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Chromium, Total	12.5		mg/kg	1.02	0.098	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Cobalt, Total	5.56		mg/kg	2.05	0.170	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Copper, Total	12.8		mg/kg	1.02	0.264	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Iron, Total	10300		mg/kg	5.12	0.925	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Lead, Total	3.78	J	mg/kg	5.12	0.275	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Magnesium, Total	2890		mg/kg	10.2	1.58	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Manganese, Total	267		mg/kg	1.02	0.163	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Mercury, Total	ND		mg/kg	0.084	0.018	1	10/05/18 04:30	10/05/18 12:31	EPA 7471B	1,7471B	MG
Nickel, Total	10.4		mg/kg	2.56	0.248	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Potassium, Total	526		mg/kg	256	14.8	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Selenium, Total	ND		mg/kg	2.05	0.264	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	1.02	0.290	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Sodium, Total	504		mg/kg	205	3.23	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	2.05	0.323	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Vanadium, Total	16.4		mg/kg	1.02	0.208	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
Zinc, Total	27.3		mg/kg	5.12	0.300	2	10/04/18 20:55	10/05/18 11:22	EPA 3050B	1,6010D	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	1.1	1.1	1		10/05/18 11:22	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1839312
Project Number: 170512301
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%
TCLP/SPLP Ext. Date: 09/30/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.021	J	mg/l	1.00	0.019	1	10/04/18 15:12	10/04/18 19:06	EPA 3015	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	10/04/18 15:12	10/04/18 19:06	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/04/18 15:12	10/04/18 19:06	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/04/18 15:12	10/04/18 19:06	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/04/18 15:12	10/04/18 19:06	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/04/18 12:40	10/04/18 21:49	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/04/18 15:12	10/04/18 19:06	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/04/18 15:12	10/04/18 19:06	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1839312
Project Number: 170512301
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
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	4130		mg/kg	7.84	2.12	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Antimony, Total	ND		mg/kg	3.92	0.298	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Arsenic, Total	1.26		mg/kg	0.784	0.163	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Barium, Total	26.9		mg/kg	0.784	0.136	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Beryllium, Total	0.094	J	mg/kg	0.392	0.026	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Cadmium, Total	0.165	J	mg/kg	0.784	0.077	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Calcium, Total	4360		mg/kg	7.84	2.74	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Chromium, Total	13.6		mg/kg	0.784	0.075	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Cobalt, Total	4.53		mg/kg	1.57	0.130	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Copper, Total	12.9		mg/kg	0.784	0.202	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Iron, Total	8640		mg/kg	3.92	0.708	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Lead, Total	8.87		mg/kg	3.92	0.210	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Magnesium, Total	4010		mg/kg	7.84	1.21	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Manganese, Total	235		mg/kg	0.784	0.125	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Mercury, Total	0.015	J	mg/kg	0.064	0.014	1	10/05/18 04:30	10/05/18 12:32	EPA 7471B	1,7471B	MG
Nickel, Total	9.06		mg/kg	1.96	0.190	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Potassium, Total	616		mg/kg	196	11.3	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Selenium, Total	ND		mg/kg	1.57	0.202	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.784	0.222	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Sodium, Total	235		mg/kg	157	2.47	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.57	0.247	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Vanadium, Total	14.8		mg/kg	0.784	0.159	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
Zinc, Total	23.0		mg/kg	3.92	0.230	2	10/04/18 20:55	10/05/18 11:31	EPA 3050B	1,6010D	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	0.82	0.82	1		10/05/18 11:31	NA	107,-	

Project Name: 37-11 30TH STREET **Lab Number:** L1839312

Project Number: 170512301 **Report Date:** 10/05/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03-05 Batch: WG1164240-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/04/18 12:40	10/04/18 21:06	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/30/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03-05 Batch: WG1164270-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/04/18 15:12	10/04/18 16:49	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	10/04/18 15:12	10/04/18 16:49	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/04/18 15:12	10/04/18 16:49	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/04/18 15:12	10/04/18 16:49	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/04/18 15:12	10/04/18 16:49	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/04/18 15:12	10/04/18 16:49	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/04/18 15:12	10/04/18 16:49	1,6010D	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/30/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03-05 Batch: WG1164359-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Copper, Total	0.264	J	mg/kg	0.400	0.103	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Iron, Total	6.98		mg/kg	2.00	0.361	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Potassium, Total	12.0	J	mg/kg	100	5.76	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/04/18 20:55	10/05/18 08:06	1,6010D	PE

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): 03-05 Batch: WG1164478-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/05/18 04:30	10/05/18 12:04	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-05 Batch: WG1164240-2								
Mercury, TCLP	102		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-05 Batch: WG1164270-2								
Arsenic, TCLP	112		-		75-125	-		20
Barium, TCLP	106		-		75-125	-		20
Cadmium, TCLP	106		-		75-125	-		20
Chromium, TCLP	101		-		75-125	-		20
Lead, TCLP	102		-		75-125	-		20
Selenium, TCLP	115		-		75-125	-		20
Silver, TCLP	97		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-05 Batch: WG1164359-2 SRM Lot Number: D102-540					
Aluminum, Total	58	-	49-150	-	
Antimony, Total	158	-	1-199	-	
Arsenic, Total	93	-	83-117	-	
Barium, Total	91	-	83-118	-	
Beryllium, Total	96	-	83-116	-	
Cadmium, Total	96	-	83-118	-	
Calcium, Total	85	-	82-118	-	
Chromium, Total	85	-	83-117	-	
Cobalt, Total	92	-	84-116	-	
Copper, Total	96	-	84-116	-	
Iron, Total	73	-	61-139	-	
Lead, Total	92	-	82-118	-	
Magnesium, Total	77	-	76-124	-	
Manganese, Total	100	-	82-118	-	
Nickel, Total	92	-	83-117	-	
Potassium, Total	77	-	70-130	-	
Selenium, Total	96	-	79-121	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	110	-	74-126	-	
Thallium, Total	98	-	81-119	-	
Vanadium, Total	88	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-05 Batch: WG1164359-2 SRM Lot Number: D102-540					
Zinc, Total	87	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 03-05 Batch: WG1164478-2 SRM Lot Number: D102-540					
Mercury, Total	81	-	65-134	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164240-3 QC Sample: L1838650-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0262	105		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164270-3 QC Sample: L1838650-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.37	114		-	-		75-125	-		20
Barium, TCLP	2.27	20	22.5	101		-	-		75-125	-		20
Cadmium, TCLP	0.038J	0.51	0.586	115		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.02	101		-	-		75-125	-		20
Lead, TCLP	0.058J	5.1	5.30	104		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.43	119		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.491	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

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): 03-05 QC Batch ID: WG1164359-3 QC Sample: L1839133-01 Client ID: MS Sample										
Aluminum, Total	13600	197	12600	**0**	Q	-	-	75-125	-	20
Antimony, Total	2.76J	49.3	41.0	83		-	-	75-125	-	20
Arsenic, Total	17.8	11.8	23.9	**52**	Q	-	-	75-125	-	20
Barium, Total	31.9	197	196	83		-	-	75-125	-	20
Beryllium, Total	1.45	4.93	5.15	75		-	-	75-125	-	20
Cadmium, Total	1.03J	5.03	5.10	101		-	-	75-125	-	20
Calcium, Total	698.	986	1450	76		-	-	75-125	-	20
Chromium, Total	15.5	19.7	30.4	76		-	-	75-125	-	20
Cobalt, Total	27.0	49.3	61.5	**70**	Q	-	-	75-125	-	20
Copper, Total	28.6	24.6	42.0	**54**	Q	-	-	75-125	-	20
Iron, Total	53200B	98.6	42900	**0**	Q	-	-	75-125	-	20
Lead, Total	14.7	50.3	51.8	**74**	Q	-	-	75-125	-	20
Magnesium, Total	806.	986	1450	**65**	Q	-	-	75-125	-	20
Manganese, Total	760.	49.3	686	**0**	Q	-	-	75-125	-	20
Nickel, Total	28.2	49.3	63.2	**71**	Q	-	-	75-125	-	20
Potassium, Total	488.J	986	1250	**127**	Q	-	-	75-125	-	20
Selenium, Total	1.82J	11.8	10.3	87		-	-	75-125	-	20
Silver, Total	ND	29.6	25.6	86		-	-	75-125	-	20
Sodium, Total	ND	986	874	89		-	-	75-125	-	20
Thallium, Total	ND	11.8	9.34	79		-	-	75-125	-	20
Vanadium, Total	53.6	49.3	83.2	**60**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

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): 03-05 QC Batch ID: WG1164359-3 QC Sample: L1839133-01 Client ID: MS Sample										
Zinc, Total	122.	49.3	148	**53**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164478-3 QC Sample: L1839164-01 Client ID: MS Sample										
Mercury, Total	0.627	0.144	0.552	**0**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164240-4 QC Sample: L1838650-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164270-4 QC Sample: L1838650-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	2.27	2.49	mg/l	9		20
Cadmium, TCLP	0.038J	0.037J	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.058J	0.061J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164359-4 QC Sample: L1839133-01 Client ID: DUP Sample					
Aluminum, Total	13600	12600	mg/kg	8	20
Antimony, Total	2.76J	2.52J	mg/kg	NC	20
Arsenic, Total	17.8	15.0	mg/kg	17	20
Barium, Total	31.9	37.0	mg/kg	15	20
Beryllium, Total	1.45	1.25	mg/kg	15	20
Cadmium, Total	1.03J	0.905J	mg/kg	NC	20
Calcium, Total	698.	588	mg/kg	17	20
Chromium, Total	15.5	13.5	mg/kg	14	20
Cobalt, Total	27.0	24.1	mg/kg	11	20
Copper, Total	28.6	23.8	mg/kg	18	20
Iron, Total	53200B	44800	mg/kg	17	20
Lead, Total	14.7	13.0	mg/kg	12	20
Magnesium, Total	806.	733	mg/kg	9	20
Manganese, Total	760.	769	mg/kg	1	20
Nickel, Total	28.2	25.3	mg/kg	11	20
Potassium, Total	488.J	450J	mg/kg	NC	20
Selenium, Total	1.82J	1.17J	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	ND	ND	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164359-4 QC Sample: L1839133-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	53.6	45.8	mg/kg	16		20
Zinc, Total	122.	109	mg/kg	11		20
Total Metals - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG1164478-4 QC Sample: L1839164-01 Client ID: DUP Sample						
Mercury, Total	0.627	0.357	mg/kg	**55**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/04/18 03:00	1,1030	SB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY
Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/04/18 03:00	1,1030	SB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/04/18 03:00	1,1030	SB

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-01
Client ID: SB05_2-3
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 10:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	10/01/18 22:04	121,2540G	FN

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-02
Client ID: SB05_12-13
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 10:15
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	10/01/18 22:04	121,2540G	FN

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-03
Client ID: WC05_COMP_0-5
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 12:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	10/02/18 23:05	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/30/18 16:55	10/01/18 10:21	1,9010C/9012B	LH
pH (H)	7.6		SU	-	NA	1	-	10/01/18 09:24	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.951	0.190	1	10/02/18 03:40	10/02/18 14:25	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:47	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:28	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-04
Client ID: WC05_COMP_5-10
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:00
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.5		%	0.100	NA	1	-	10/02/18 23:05	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.2	0.27	1	09/30/18 16:55	10/01/18 10:22	1,9010C/9012B	LH
pH (H)	8.0		SU	-	NA	1	-	10/01/18 09:24	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	1.07	0.215	1	10/02/18 03:40	10/02/18 14:25	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:47	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:28	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1839312-05
Client ID: WC05_COMP_10-15
Sample Location: LONG ISLAND CITY, NY

Date Collected: 09/28/18 13:30
Date Received: 09/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	10/02/18 23:05	121,2540G	FN
Cyanide, Total	ND		mg/kg	0.94	0.20	1	09/30/18 16:55	10/01/18 10:23	1,9010C/9012B	LH
pH (H)	8.7		SU	-	NA	1	-	10/01/18 09:24	1,9045D	GD
Chromium, Hexavalent	ND		mg/kg	0.822	0.164	1	10/02/18 03:40	10/02/18 14:25	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:49	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:29	125,7.3	KF

Project Name: 37-11 30TH STREET
Project Number: 170512301
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Report Date: 10/05/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-05 Batch: WG1162467-1										
Cyanide, Total	ND		mg/kg	0.97	0.21	1	09/30/18 16:55	10/01/18 09:32	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 03-05 Batch: WG1162524-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:23	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 03-05 Batch: WG1162525-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/01/18 00:05	10/01/18 01:43	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 03-05 Batch: WG1162997-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/02/18 03:40	10/02/18 14:25	1,7196A	NH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839312

Report Date: 10/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-05 Batch: WG1162467-2 WG1162467-3								
Cyanide, Total	82		**69**	Q	80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 03-05 Batch: WG1162524-2								
Sulfide, Reactive	70		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-05 Batch: WG1162525-2								
Cyanide, Reactive	66		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-05 Batch: WG1162593-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-05 Batch: WG1162997-2								
Chromium, Hexavalent	**78**	Q	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1162467-4 WG1162467-5 QC Sample: L1839137-07 Client ID: MS Sample												
Cyanide, Total	ND	11	11	98		10	91		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1162997-4 QC Sample: L1839312-05 Client ID: WC05_COMP_10-15												
Chromium, Hexavalent	ND	1310	1320	101		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1162524-3 QC Sample: L1839312-05 Client ID: WC05_COMP_10-15						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1162525-3 QC Sample: L1839312-05 Client ID: WC05_COMP_10-15						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1162593-2 QC Sample: L1839286-09 Client ID: DUP Sample						
pH	7.8	7.8	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1162910-1 QC Sample: L1839128-10 Client ID: DUP Sample						
Solids, Total	85.1	85.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1162997-6 QC Sample: L1839312-05 Client ID: WC05_COMP_10-15						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1163400-1 QC Sample: L1839312-03 Client ID: WC05_COMP_0-5						
Solids, Total	84.1	84.8	%	1		20

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

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(*)
L1839312-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1839312-01B	Vial water preserved	A	NA		3.6	Y	Absent	29-SEP-18 22:16	NYTCL-8260HLW(14)
L1839312-01C	Vial water preserved	A	NA		3.6	Y	Absent	29-SEP-18 22:16	NYTCL-8260HLW(14)
L1839312-01D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1839312-01E	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1839312-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1839312-02B	Vial water preserved	A	NA		3.6	Y	Absent	29-SEP-18 22:16	NYTCL-8260HLW(14)
L1839312-02C	Vial water preserved	A	NA		3.6	Y	Absent	29-SEP-18 22:16	NYTCL-8260HLW(14)
L1839312-02D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1839312-02E	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1839312-03A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-03B	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-03C	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1839312-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1839312-03X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1839312-04A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-04B	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-04C	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1839312-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1839312-04X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1839312-05A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-05B	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1839312-05C	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839312
Report Date: 10/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1839312-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1839312-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1839312-05X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1839312-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1839312-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1839312
Project Number:	170512301	**Report Date:**	10/05/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1839312
Project Number:	170512301	**Report Date:**	10/05/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH STREET	**Lab Number:**	L1839312
Project Number:	170512301	**Report Date:**	10/05/18

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, 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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, 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, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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.

WASTE CHARACTERIZATION

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 9/29/18

ALPHA Job #: L1839312

Client Information
Client: LANGAN, PC
Address:
Phone:
Fax:
Email: ESMEAD@LANGAN.COM

Project Information
Project Name: 37-11 30TH STREET
Project Location: LONG ISLAND CITY, NY
Project #
(Use Project name as Project #)
Project Manager: EMILY SMEAD
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date:
# of Days:

Deliverables
ASP-A
ASP-B
EQuIS (1 File)
EQuIS (4 File)
Other

Billing Information
Same as Client Info
PO #

Regulatory Requirement
NY TOGS
NY Part 375
AWQ Standards
NY CP-51
NY Restricted Use
Other
NY Unrestricted Use
NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ
NY
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Bottle	Sample Specific Comments
39312-01	SB05_2-3	9/28/18	10:00	SOIL	DM	4	1) 4oz VOA 1) SM 4oz
02	SB05_12-13		10:15				
03	WC05_COMP_0-5		12:30			4	1) 16oz (1) 8oz (1) 4oz 1) 2oz
04	WC05_COMP_5-10		13:00				
05	WC05_COMP_10-15		13:30				
06	TRIPBLANK_092818		-	AQ.		1	1) VOAs

VOCs ONLY FOR TRIP BLANK

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
	9/28/18 5:45		
Paul Mazella	9/29/18 01:55	Pamela Jackson	9/29 1740
		Paul Mazella	9/28/18 2025
			9/29/18 0155

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

WASTE CHARACTERIZATION

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 9/29/18

ALPHA Job #: L1839312

Client Information
Client: LANGAN, NPC
Address:
Phone:
Fax:
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30TH STREET
Project Location: LONG ISLAND CITY, NY
Project #
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYSDEC UNRESTRICTED LIST VOCs (EPA 8260)	NYSDEC UNRESTRICTED LIST SVOCs (EPA 8270)	PESTS (EPA 8081)	PCBs (EPA 8082)	METALS (TAL + HEX CHR + MERCURY + CYANIDE)	TCLP METALS (EPA 1311)	VOCLEA (EPA 1311)	Sample Specific Comments	Total Bottle
39312-01	SB05_2-3	9/28/18	10:00	SOIL	SH	X							1) 4oz VOA 1) SH ALP	
02	SB05_12-13		10:15			X								
03	WE05_COMP_0-5		10:25				X	X	X	X	X	X	1) 16oz 1) 8oz 1) 4oz 1) SH	
04	WE05_COMP_5-10		10:35				X	X	X	X	X	X		
05	WE05_(DUP)_10-15		10:45				X	X	X	X	X	X		
06	TRIPBLANK_092818		-	AQ.		X							2) VOAs	
						VOCs ONLY FOR TRIP BLANK								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
	9/28/18 5:40		9/28 1740
Paul Mazella	9/29/18 01:55	Paul Mazella	9/28/18 2025 9/29/18 0155

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1839480
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	11/01/18

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1839480-01	SB04_1-2	SOIL	QUEENS, NY	10/01/18 12:10	10/01/18
L1839480-02	SB04_2-3	SOIL	QUEENS, NY	10/01/18 12:10	10/01/18
L1839480-03	SB04_6-7	SOIL	QUEENS, NY	10/01/18 12:20	10/01/18
L1839480-04	SB04_8-9	SOIL	QUEENS, NY	10/01/18 12:20	10/01/18
L1839480-05	SB04_12-13	SOIL	QUEENS, NY	10/01/18 12:30	10/01/18
L1839480-06	SB04_14-15	SOIL	QUEENS, NY	10/01/18 12:30	10/01/18
L1839480-07	TRIP BLANK_100118	WATER	QUEENS, NY	10/01/18 00:00	10/01/18

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

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:	37-11 30TH STREET	**Lab Number:**	L1839480
Project Number:	170512301	**Report Date:**	11/01/18

Case Narrative (continued)

Report Submission

November 01, 2018: This final report includes the results of all requested analyses.

October 19, 2018: This preliminary report includes the results of the TCLP Chromium analysis performed on L1839480-01 and -02.

October 07, 2018: This is a preliminary report.

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

TCLP Metals

The WG1168684-3 MS recovery for chromium (60%), performed on L1839480-01, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 11/01/18

ORGANICS

VOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839480
Report Date: 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-01
Client ID: SB04_1-2
Sample Location: QUEENS, NY

Date Collected: 10/01/18 12:10
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/05/18 01:53
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	0.27	J	ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839480

Project Number: 170512301 **Report Date:** 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-01 Date Collected: 10/01/18 12:10

Client ID: SB04_1-2 Date Received: 10/01/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	18		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	ND		ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1
Tert-Butyl Alcohol	ND		ug/kg	17	4.5	1

Project Name: 37-11 30TH STREET **Lab Number:** L1839480

Project Number: 170512301 **Report Date:** 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-01 Date Collected: 10/01/18 12:10

Client ID: SB04_1-2 Date Received: 10/01/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
Methyl Acetate	ND		ug/kg	3.5	0.83	1
Acrolein	ND		ug/kg	22	4.9	1
Cyclohexane	ND		ug/kg	8.7	0.48	1
1,4-Dioxane	ND		ug/kg	87	31.	1
Freon-113	ND		ug/kg	3.5	0.60	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Methyl cyclohexane	ND		ug/kg	3.5	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839480
Report Date: 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-07
Client ID: TRIP BLANK_100118
Sample Location: QUEENS, NY
Date Collected: 10/01/18 00:00
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/04/18 21:55
Analyst: NLK

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

Project Name: 37-11 30TH STREET **Lab Number:** L1839480

Project Number: 170512301 **Report Date:** 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-07 Date Collected: 10/01/18 00:00

Client ID: TRIP BLANK_100118 Date Received: 10/01/18

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	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

Project Name: 37-11 30TH STREET
Lab Number: L1839480
Project Number: 170512301
Report Date: 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-07
Client ID: TRIP BLANK_100118
Sample Location: QUEENS, NY
Date Collected: 10/01/18 00:00
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	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
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 18:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1164534-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 18:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1164534-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 18:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1164534-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 18:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1164534-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 21:19
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1164762-5					
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: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 21:19
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1164762-5					
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
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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 21:19
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1164762-5					
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/18 21:19
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1164762-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1164534-3 WG1164534-4								
Methylene chloride	86		87		70-130	1		30
1,1-Dichloroethane	96		96		70-130	0		30
Chloroform	97		97		70-130	0		30
Carbon tetrachloride	94		95		70-130	1		30
1,2-Dichloropropane	97		97		70-130	0		30
Dibromochloromethane	103		107		70-130	4		30
1,1,2-Trichloroethane	106		109		70-130	3		30
Tetrachloroethene	108		109		70-130	1		30
Chlorobenzene	105		106		70-130	1		30
Trichlorofluoromethane	96		97		70-139	1		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	97		97		70-130	0		30
Bromodichloromethane	98		100		70-130	2		30
trans-1,3-Dichloropropene	109		111		70-130	2		30
cis-1,3-Dichloropropene	102		103		70-130	1		30
1,1-Dichloropropene	97		98		70-130	1		30
Bromoform	104		108		70-130	4		30
1,1,2,2-Tetrachloroethane	107		109		70-130	2		30
Benzene	96		97		70-130	1		30
Toluene	106		108		70-130	2		30
Ethylbenzene	105		106		70-130	1		30
Chloromethane	94		94		52-130	0		30
Bromomethane	92		90		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1164534-3 WG1164534-4								
Vinyl chloride	94		93		67-130	1		30
Chloroethane	95		93		50-151	2		30
1,1-Dichloroethene	94		95		65-135	1		30
trans-1,2-Dichloroethene	98		97		70-130	1		30
Trichloroethene	97		99		70-130	2		30
1,2-Dichlorobenzene	107		109		70-130	2		30
1,3-Dichlorobenzene	108		108		70-130	0		30
1,4-Dichlorobenzene	105		104		70-130	1		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	107		108		70-130	1		30
o-Xylene	108		109		70-130	1		30
cis-1,2-Dichloroethene	98		100		70-130	2		30
Dibromomethane	95		97		70-130	2		30
Styrene	109		111		70-130	2		30
Dichlorodifluoromethane	91		91		30-146	0		30
Acetone	97		97		54-140	0		30
Carbon disulfide	83		82		59-130	1		30
2-Butanone	86		85		70-130	1		30
Vinyl acetate	97		98		70-130	1		30
4-Methyl-2-pentanone	102		103		70-130	1		30
1,2,3-Trichloropropane	106		106		68-130	0		30
2-Hexanone	110		107		70-130	3		30
Bromochloromethane	99		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1164534-3 WG1164534-4								
2,2-Dichloropropane	97		99		70-130	2		30
1,2-Dibromoethane	110		112		70-130	2		30
1,3-Dichloropropane	104		108		69-130	4		30
1,1,1,2-Tetrachloroethane	106		108		70-130	2		30
Bromobenzene	108		109		70-130	1		30
n-Butylbenzene	107		109		70-130	2		30
sec-Butylbenzene	107		107		70-130	0		30
tert-Butylbenzene	107		108		70-130	1		30
o-Chlorotoluene	109		110		70-130	1		30
p-Chlorotoluene	106		105		70-130	1		30
1,2-Dibromo-3-chloropropane	94		98		68-130	4		30
Hexachlorobutadiene	106		106		67-130	0		30
Isopropylbenzene	107		107		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	107		108		70-130	1		30
Acrylonitrile	95		94		70-130	1		30
Tert-Butyl Alcohol	99		99		70-130	0		30
n-Propylbenzene	108		107		70-130	1		30
1,2,3-Trichlorobenzene	108		108		70-130	0		30
1,2,4-Trichlorobenzene	112		112		70-130	0		30
1,3,5-Trimethylbenzene	108		107		70-130	1		30
1,2,4-Trimethylbenzene	108		108		70-130	0		30
Methyl Acetate	89		90		51-146	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1164534-3 WG1164534-4								
Acrolein	92		95		70-130	3		30
Cyclohexane	94		94		59-142	0		30
1,4-Dioxane	91		88		65-136	3		30
Freon-113	87		86		50-139	1		30
p-Diethylbenzene	109		109		70-130	0		30
p-Ethyltoluene	108		109		70-130	1		30
1,2,4,5-Tetramethylbenzene	109		109		70-130	0		30
Ethyl ether	95		97		67-130	2		30
trans-1,4-Dichloro-2-butene	104		105		70-130	1		30
Methyl cyclohexane	94		94		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1164762-3 WG1164762-4								
Methylene chloride	93		97		70-130	4		20
1,1-Dichloroethane	94		100		70-130	6		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	90		98		63-132	9		20
1,2-Dichloropropane	96		100		70-130	4		20
Dibromochloromethane	87		86		63-130	1		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	93		97		70-130	4		20
Chlorobenzene	94		97		75-130	3		20
Trichlorofluoromethane	85		91		62-150	7		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	92		99		67-130	7		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	93		93		70-130	0		20
cis-1,3-Dichloropropene	90		93		70-130	3		20
1,1-Dichloropropene	92		96		70-130	4		20
Bromoform	72		69		54-136	4		20
1,1,2,2-Tetrachloroethane	100		97		67-130	3		20
Benzene	94		98		70-130	4		20
Toluene	95		99		70-130	4		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	95		100		64-130	5		20
Bromomethane	**35**	Q	41		39-139	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1164762-3 WG1164762-4								
Vinyl chloride	91		100		55-140	9		20
Chloroethane	88		95		55-138	8		20
1,1-Dichloroethene	81		87		61-145	7		20
trans-1,2-Dichloroethene	89		94		70-130	5		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	99		96		70-130	3		20
1,3-Dichlorobenzene	96		98		70-130	2		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	87		88		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	90		98		70-130	9		20
Dibromomethane	97		95		70-130	2		20
1,2,3-Trichloropropane	100		94		64-130	6		20
Acrylonitrile	100		98		70-130	2		20
Tert-Butyl Alcohol	88		82		70-130	7		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	89		95		36-147	7		20
Acetone	100		95		58-148	5		20
Carbon disulfide	81		86		51-130	6		20
2-Butanone	100		94		63-138	6		20
Vinyl acetate	120		110		70-130	9		20
4-Methyl-2-pentanone	92		87		59-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1164762-3 WG1164762-4								
2-Hexanone	99		99		57-130	0		20
Acrolein	92		81		40-160	13		20
Bromochloromethane	88		90		70-130	2		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	91		88		70-130	3		20
1,3-Dichloropropane	100		97		70-130	3		20
1,1,1,2-Tetrachloroethane	95		96		64-130	1		20
Bromobenzene	97		97		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	94		97		70-130	3		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	76		70		41-144	8		20
Hexachlorobutadiene	95		96		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	92		88		70-130	4		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	96		91		70-130	5		20
1,2,4-Trichlorobenzene	94		94		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1164762-3 WG1164762-4								
Methyl Acetate	120		110		70-130	9		20
Cyclohexane	91		98		70-130	7		20
1,4-Dioxane	**42**	Q	86		56-162	**69**	Q	20
Freon-113	88		94		70-130	7		20
p-Diethylbenzene	100		100		70-130	0		20
p-Ethyltoluene	98		100		70-130	2		20
1,2,4,5-Tetramethylbenzene	96		98		70-130	2		20
Ethyl ether	89		90		59-134	1		20
trans-1,4-Dichloro-2-butene	98		86		70-130	13		20
Methyl cyclohexane	85		90		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		114		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	99		101		70-130

PETROLEUM HYDROCARBONS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839480
Report Date: 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-01
Client ID: SB04_1-2
Sample Location: QUEENS, NY

Date Collected: 10/01/18 12:10
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/03/18 20:48
Analyst: LL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/02/18 21:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.3	25.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	83		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 10/03/18 17:19
Analyst: LL

Extraction Method: EPA 3546
Extraction Date: 10/02/18 21:28

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01 Batch: WG1163388-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	84		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 Batch: WG1163388-2 WG1163388-3								
Total EPH	102		108		40-140	6		25
Nonane (C9)	71		83		40-140	16		25
Decane (C10)	83		95		40-140	13		25
Dodecane (C12)	80		92		40-140	14		25
Tetradecane (C14)	80		92		40-140	14		25
Hexadecane (C16)	88		95		40-140	8		25
Octadecane (C18)	96		100		40-140	4		25
Eicosane (C20)	98		101		40-140	3		25
Heneicosane (C21)	98		102		40-140	4		25
Docosane (C22)	98		101		40-140	3		25
Tetracosane (C24)	99		101		40-140	2		25
Hexacosane (C26)	99		102		40-140	3		25
Octacosane (C28)	98		101		40-140	3		25
Triacontane (C30)	98		101		40-140	3		25
Dotriacontane (C32)	98		101		40-140	3		25
Tetratriacontane (C34)	97		102		40-140	5		25
Hexatriacontane (C36)	101		104		40-140	3		25
Octatriacontane (C38)	102		105		40-140	3		25
Tetracontane (C40)	106		109		40-140	3		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 Batch: WG1163388-2 WG1163388-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	88		90		40-140
o-Terphenyl	87		89		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1163388-4 QC Sample: L1839221-01 Client ID: MS Sample												
Total EPH	ND	270	281	104		-	-		40-140	-		50
Nonane (C9)	ND	7.5	6.22	83		-	-		40-140	-		50
Decane (C10)	ND	7.5	7.08	94		-	-		40-140	-		50
Dodecane (C12)	ND	7.5	6.76	90		-	-		40-140	-		50
Tetradecane (C14)	ND	7.5	6.69	89		-	-		40-140	-		50
Hexadecane (C16)	ND	7.5	6.81	91		-	-		40-140	-		50
Octadecane (C18)	ND	7.5	7.10	95		-	-		40-140	-		50
Eicosane (C20)	ND	7.5	7.12	95		-	-		40-140	-		50
Heneicosane (C21)	ND	7.5	7.14	95		-	-		40-140	-		50
Docosane (C22)	ND	7.5	7.14	95		-	-		40-140	-		50
Tetracosane (C24)	ND	7.5	7.17	96		-	-		40-140	-		50
Hexacosane (C26)	ND	7.5	7.19	96		-	-		40-140	-		50
Octacosane (C28)	ND	7.5	7.11	95		-	-		40-140	-		50
Triacontane (C30)	ND	7.5	7.11	95		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.5	7.04	94		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.5	6.82	91		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.5	7.13	95		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.5	7.05	94		-	-		40-140	-		50
Tetracontane (C40)	ND	7.5	7.34	98		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	86				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1163388-4 QC Sample: L1839221-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	86				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1163388-5 QC Sample: L1839221-01 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		89		40-140
o-Terphenyl	81		89		40-140

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1839480
Project Number: 170512301
Report Date: 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-01
Client ID: SB04_1-2
Sample Location: QUEENS, NY
Date Collected: 10/01/18 12:10
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 10/12/18 22:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	27.0		mg/l	0.200	0.021	1	10/16/18 15:00	10/17/18 02:13	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1839480
Project Number: 170512301
Report Date: 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-02
Client ID: SB04_2-3
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/01/18 12:10
Date Received: 10/01/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/12/18 22:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	27.2		mg/l	0.200	0.021	1	10/16/18 15:00	10/17/18 02:30	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1839480
Report Date: 11/01/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-02 Batch: WG1168684-1										
Chromium, TCLP	ND		mg/l	0.200	0.021	1	10/16/18 15:00	10/17/18 02:05	1,6010D	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 10/12/18 22:43

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1168684-2								
Chromium, TCLP	100		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1168684-3 QC Sample: L1839480-01 Client ID: SB04_1-2												
Chromium, TCLP	27.0	2	28.2	**60**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1168684-4 QC Sample: L1839480-01 Client ID: SB04_1-2						
Chromium, TCLP	27.0	26.3	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

SAMPLE RESULTS

Lab ID: L1839480-01
Client ID: SB04_1-2
Sample Location: QUEENS, NY

Date Collected: 10/01/18 12:10
Date Received: 10/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	10/03/18 11:57	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1839480

Report Date: 11/01/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1163652-1 QC Sample: L1839630-12 Client ID: DUP Sample						
Solids, Total	85.6	84.1	%	2		20

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1839480
Report Date: 11/01/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1839480-01A	Vial MeOH preserved	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1839480-01B	Vial water preserved	B	NA		2.6	Y	Absent	02-OCT-18 07:00	NYTCL-8260HLW(14)
L1839480-01C	Vial water preserved	B	NA		2.6	Y	Absent	02-OCT-18 07:00	NYTCL-8260HLW(14)
L1839480-01D	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1839480-01E	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1839480-01F	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		-
L1839480-01X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.6	Y	Absent		CR-CI(180)
L1839480-01X9	Tumble Vessel	B	NA		2.6	Y	Absent		-
L1839480-02A	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		-
L1839480-02X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.6	Y	Absent		CR-CI(180)
L1839480-02X9	Tumble Vessel	B	NA		2.6	Y	Absent		-
L1839480-03A	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		HOLD-METAL(180)
L1839480-04A	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		HOLD-METAL(180)
L1839480-05A	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		HOLD-METAL(180)
L1839480-06A	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		HOLD-METAL(180)
L1839480-07A	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L1839480-07B	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1839480
Project Number:	170512301	**Report Date:**	11/01/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1839480
Project Number:	170512301	**Report Date:**	11/01/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. 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:	37-11 30TH STREET	**Lab Number:**	L1839480
Project Number:	170512301	**Report Date:**	11/01/18

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

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.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

WC SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/2/18

ALPHA Job #: L1839480

Client Information

Client: LANGAN, DPC
Address: 21 Penn Plaza
NY, NY 10001
Phone:
Fax:
Email: esnead@langan.com

Project Information

Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #)
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information

[X] Same as Client Info
PO #

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [X] Other MS DEC / NJDEP LIST
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[X] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYSDEC / NJDEP LIST VOCs / EPH
NYSDEC / NJDEP LIST SVOCs
PCBs
TCLP Metals
HOLDS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYSDEC / NJDEP LIST VOCs / EPH	NYSDEC / NJDEP LIST SVOCs	PCBs	TCLP Metals HOLDS	Sample Specific Comments	Total Bottle
39480 - 01	SB04_1-2	10/1	1210	SOIL	AS	X			X	(3) VOA (1) Plastic (1) 8oz	5
- 02	SB04_2-3	"	1210	"	"				X		
- 03	SB04_6-7	"	1220	"	"				X		
- 04	SB04_8-9	"	1220	"	"				X		
- 05	SB04_12-13	"	1230	"	"				X		
- 06	SB04_14-15	"	1230	"	"				X		
- 07	TRIPBLANK_100118	"		AQ	"	X				(2) VOA	2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stoppenbeck	10/1/18 1730	Romeik Jackson ATL	10/1 1730
Paul Mayella	10/1 1900	Paul Mayella	10/1/18 2015
Paul Mayella	10/2/18 12:5?		10/2/18 0057

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

37-11 30th Street
Long Island City, NY

Supplemental Waste Characterization Data Package

Langan Project No. 170512301

August 2019

LANGAN

FIGURES

LEGEND:

- BROWNFIELD CLEANUP PROGRAM SITE BOUNDARY
- SB01 — SOIL SAMPLE LOCATION (OCTOBER 2018 REMEDIAL INVESTIGATION)
- SB02/MW02 — SHALLOW GROUNDWATER/SOIL SAMPLE LOCATION (OCTOBER 2018 REMEDIAL INVESTIGATION)
- SB01/MW01A — DEEP GROUNDWATER/SOIL SAMPLE LOCATION WITH COUPLED SHALLOW MONITORING WELLS (OCTOBER 2018 REMEDIAL INVESTIGATION)
- SP-8/MW-5 — GROUNDWATER/SOIL SAMPLE LOCATION, INSTALLED BY HYDRO TECH IN DECEMBER 2017
- B1 — SOIL SAMPLE LOCATION, INSTALLED BY MERRITT IN JUNE 2014
- SP-9 — SOIL SAMPLE LOCATION, INSTALLED BY HYDRO TECH IN DECEMBER 2017
- SB04.1 — HAZARDOUS CHROMIUM DELINEATION SAMPLE LOCATION (NOVEMBER 2018 DELINEATION)
- SP-2.8 — SUPPLEMENTAL WASTE CHARACTERIZATION DELINEATION SAMPLE LOCATION (MAY 2019 SUPPLEMENTAL WASTE CHARACTERIZATION)
- SB14 — SUPPLEMENTAL WASTE CHARACTERIZATION SAMPLE LOCATION (MAY 2019 SUPPLEMENTAL WASTE CHARACTERIZATION)

NOTES:
1. BASEMAP ACCESSED FROM GIS.NYC.GOV/TAXMAP ON JANUARY 17, 2018.
2. SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

LANGAN

PROJECT NO. 170512301

SCALE: 1 INCH = 10 FEET

WARNING:
IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
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Project	37-11 30TH STREET BLOCK No. 372, P/O LOT No. 8 AND LOT NO. 21 QUEENS NEW YORK
Figure Title	SUPPLEMENTAL WASTE CHARACTERIZATION SAMPLE LOCATION PLAN
Project No.	170512301
Date	06/03/2019
Drawn By	NEK
Checked By	ELS
Figure No.	1
	Sheet 1 of 1

Filename: \\langan.com\data\NYC\data3\170512301\Project Data\CAD\01\Sheetfiles\Waste Class\Figure 1 - Supplemental Waste Characterization Sampling Location Plan - As Built.dwg Date: 6/3/2019 Time: 13:44 User: nkung Style Table: Langan.stb Layout: Figure X

TABLES

Table 1
Supplemental Waste Characterization Investigation
Sample Summary

37-11 30th Street
New York, New York
Langan Project No.: 170512301

Sample ID	Parent Boring Location	Date Collected	Sample Time	Sampling Depth (feet below site grade)	Sample Type	Analyses
SB14_1-3	SB14	5/23/2019	9:00	1-3	Grab	NYSDEC & NJDEP-list VOCs, EPH
SB14_0-1	SB14	5/23/2019	9:10	0-1	Grab	TCLP Metals (NOT ANALYZED)
SB14_1-2	SB14	5/23/2019	9:11	1-2	Grab	TCLP Metals (NOT ANALYZED)
SB14_2-3	SB14	5/23/2019	9:12	2-3	Grab	TCLP Metals (NOT ANALYZED)
SB15_4-5	SB15	5/23/2019	9:13	4-5	Grab	TCLP Metals (NOT ANALYZED)
SB15_5-6	SB15	5/23/2019	9:14	5-6	Grab	TCLP Metals (NOT ANALYZED)
WC07_COMP_0-6	SB14 and SB15	5/23/2019	9:15	0 - 6	Composite	NYSDEC & NJDEP-list SVOCs, Pesticides/Herbicides, PCBs, NYSDEC & NJDEP-list Metals (+ hex/ tri chromium and cyanide), TCLP metals, RCRA Characteristics (ignitability, corrosivity, reactivity), Paint Filter, (NOT ANALYZED PA DEP Form U)
CHROMIUM DELINEATION SAMPLES						
SB04.10	SB04 (step-off)	5/24/2019	12:30	0.5-2	Grab	Total and TCLP Chromium
			12:32	5-6	Grab	Total and TCLP Chromium (NOT ANALYZED)
			12:33	6-8	Grab	Total and TCLP Chromium (NOT ANALYZED)
SB04.11	SB04 (step-off)	5/24/2019	12:55	0-1	Grab	Total and TCLP Chromium (NOT ANALYZED)
			12:56	1-2.5	Grab	Total and TCLP Chromium (NOT ANALYZED)
			12:57	5-6	Grab	Total and TCLP Chromium (NOT ANALYZED)
			12:58	6-8	Grab	Total and TCLP Chromium (NOT ANALYZED)
SB04.12	SB04 (step-off)	5/24/2019	11:15	1-3	Grab	Total and TCLP Chromium (NOT ANALYZED)
			11:16	3-5	Grab	Total and TCLP Chromium (NOT ANALYZED)
			11:17	5-7	Grab	Total and TCLP Chromium (NOT ANALYZED)
			11:18	7-8	Grab	Total and TCLP Chromium (NOT ANALYZED)
ELEVATED LEAD AND ANTIMONY DELINEATION SAMPLES						
SP-2A	SP-2	5/23/2019	9:50	0-2	Grab	TCLP Lead
			9:55	2-4	Grab	Total Lead and Total Antimony
			9:56	4-6	Grab	Total Lead and Total Antimony (NOT ANALYZED)
			9:57	6-8	Grab	Total Lead and Total Antimony (NOT ANALYZED)
SP-2.1	SP-2 (step-off)	5/23/2019	10:10	0-2	Grab	Total Lead, Total Antimony, (NOT ANALYZED - TCLP Metals)
			10:11	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			10:12	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			10:13	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.2	SP-2 (step-off)	5/23/2019	10:30	0-2	Grab	Total Lead, Total Antimony, (NOT ANALYZED - TCLP Metals)
			10:31	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			10:32	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			10:33	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.3	SP-2 (step-off)	5/23/2019	11:00	0-2	Grab	Total Lead, Total Antimony, (NOT ANALYZED - TCLP Metals)
			11:01	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:02	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:03	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.4	SP-2 (step-off)	5/23/2019	11:10	0-2	Grab	Total Lead, Total Antimony, (NOT ANALYZED - TCLP Metals)
			11:11	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:12	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:13	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.5	SP-2 (step-off)	5/23/2019	11:30	0-2	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:31	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:32	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:33	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.6	SP-2 (step-off)	5/23/2019	11:50	0-2	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:51	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:52	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			11:53	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.7	SP-2 (step-off)	5/23/2019	12:00	0-2	Grab	Total Lead, Total Antimony, (NOT ANALYZED - TCLP Metals)
			12:01	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:02	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:03	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.8	SP-2 (step-off)	5/23/2019	12:30	0-2	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:31	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:32	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:33	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
SP-2.9	SP-2 (step-off)	5/23/2019	12:45	0-2	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:46	2-4	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:47	4-6	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)
			12:48	6-8	Grab	Total Lead, Total Antimony, TCLP Metals (NOT ANALYZED)

Table 1
Supplemental Waste Characterization Investigation
Sample Summary

37-11 30th Street
New York, New York
Langan Project No.: 170512301

Sample ID	Parent Boring Location	Date Collected	Sample Time	Sampling Depth (feet below site grade)	Sample Type	Analyses
ELEVATED LEAD DELINEATION SAMPLES						
SB06.1	SB06 (step-off)	5/24/2019	8:10	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			8:11	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			8:12	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			8:13	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SB06.2	SB06 (step-off)	5/24/2019	7:55	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			7:56	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			7:57	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			7:58	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SB06.3	SB06 (step-off)	5/24/2019	9:00	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			9:01	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:02	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:03	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SB06.4	SB06 (step-off)	5/24/2019	9:20	0-2	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:21	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:22	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:23	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SB06.5	SB06 (step-off)	5/24/2019	9:50	0-2	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:51	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:52	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			9:53	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SB06.6	SB06 (step-off)	5/24/2019	10:30	0-2	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			10:31	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			10:32	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			10:33	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9A	SP-9	5/23/2019	13:00	0-2	Grab	TCLP Lead
			13:01	2-4	Grab	Total Lead (NOT ANALYZED - TCLP Lead)
			13:02	4-6	Grab	Total Lead, TCLP Lead (NOT ANALYZED)
			13:03	6-8	Grab	Total Lead, TCLP Lead (NOT ANALYZED)
SP-9.1	SP-9 (step-off)	5/23/2019	14:50	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			14:51	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:52	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:53	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.2	SP-9 (step-off)	5/23/2019	15:20	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			15:21	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			15:22	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			15:23	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.3	SP-9 (step-off)	5/23/2019	15:30	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			15:31	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			15:32	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			15:33	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.4	SP-9 (step-off)	5/23/2019	13:15	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			13:16	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			13:17	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			13:18	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.5	SP-9 (step-off)	5/23/2019	13:35	0-2	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			13:36	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			13:37	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			13:38	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.6	SP-9 (step-off)	5/23/2019	14:00	0-2	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:01	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:02	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:03	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.7	SP-9 (step-off)	5/23/2019	14:04	0-2	Grab	Total Lead, (NOT ANALYZED - TCLP Metals)
			14:05	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:06	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:07	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.8	SP-9 (step-off)	5/23/2019	14:20	0-2	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:21	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:22	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:23	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
SP-9.9	SP-9 (step-off)	5/23/2019	14:40	0-2	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:41	2-4	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:42	4-6	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
			14:43	6-8	Grab	Total Lead, TCLP Metals (NOT ANALYZED)
BULK DENSITY SAMPLES						
SB04_BULK_1-8	SB04	5/24/2019	13:06	1-8	Composite	Bulk Density Sample for Hazardous Chromium
SB06_SP-2_SP-9_BULK_0-2	SB06, SP-2, SP-9	5/24/2019	10:30	1-2	Composite	Bulk Density Sample for Elevated Lead
QA/QC						
SBDUP01_052319	SB14	5/23/2019	9:05	1-3	Grab	NYSDEC & NJDEP-list VOCs, EPH
SBDUP02_052419	SB04.12	5/24/2019	11:20	5-7	Grab	Total and TCLP Chromium (NOT ANALYZED)
FIELDBLANK	NA	5/23/2019	15:00	NA	Grab	VOCs, SVOCs, Pest/Herb, PCBs, Metals (+he/tri chromium, cyanide), TCLP Metals, RCRA Characteristics, EPH
TRIPBLANK	NA	5/23/2019	NA	NA	NA	VOCs, EPH
TRIPBLANK	NA	5/24/2019	NA	NA	NA	VOCs, EPH

Notes:
1. NYSDEC = New York State Department of Environmental Conservation
2. NJDEP = New Jersey Department of Environmental Conservation
3. VOCs = Volatile Organic Compounds
4. EPH = Extractable Petroleum Hydrocarbons
5. SVOC = Semivolatile Organic Compounds
6. PCB = Polychlorinated Biphenyls
7. TCLP = Toxicity Characteristic Leaching Procedure
8. RCRA = Resource Conservation and Recovery Act
9. QA/QC = Quality Assurance/Quality Control
10. NA = Not Applicable
11. Samples that are shaded gray are on hold at the laboratory and will be viable until November 19, 2019.

LABORATORY ANALYTICAL REPORTS

LANGAN

ANALYTICAL REPORT

Lab Number:	L1922246
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH ST.
Project Number:	170512301
Report Date:	06/19/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1922246-01	SB06.1_0-2	SOIL	QUEENS, NY	05/24/19 08:10	05/24/19
L1922246-02	SB06.1_2-4	SOIL	QUEENS, NY	05/24/19 08:11	05/24/19
L1922246-03	SB06.1_4-6	SOIL	QUEENS, NY	05/24/19 08:12	05/24/19
L1922246-04	SB06.1_6-8	SOIL	QUEENS, NY	05/24/19 08:13	05/24/19
L1922246-05	SB06.2_0-2	SOIL	QUEENS, NY	05/24/19 07:55	05/24/19
L1922246-06	SB06.2_2-4	SOIL	QUEENS, NY	05/24/19 07:56	05/24/19
L1922246-07	SB06.2_4-6	SOIL	QUEENS, NY	05/24/19 07:57	05/24/19
L1922246-08	SB06.2_6-8	SOIL	QUEENS, NY	05/24/19 07:58	05/24/19
L1922246-09	SB06.3_0-2	SOIL	QUEENS, NY	05/24/19 09:00	05/24/19
L1922246-10	SB06.3_2-4	SOIL	QUEENS, NY	05/24/19 09:01	05/24/19
L1922246-11	SB06.3_4-6	SOIL	QUEENS, NY	05/24/19 09:02	05/24/19
L1922246-12	SB06.3_6-8	SOIL	QUEENS, NY	05/24/19 09:03	05/24/19
L1922246-13	SB06.4_0-2	SOIL	QUEENS, NY	05/24/19 09:20	05/24/19
L1922246-14	SB06.4_2-4	SOIL	QUEENS, NY	05/24/19 09:21	05/24/19
L1922246-15	SB06.4_4-6	SOIL	QUEENS, NY	05/24/19 09:22	05/24/19
L1922246-16	SB06.4_6-8	SOIL	QUEENS, NY	05/24/19 09:23	05/24/19
L1922246-17	SB06.5_0-2	SOIL	QUEENS, NY	05/24/19 09:50	05/24/19
L1922246-18	SB06.5_2-4	SOIL	QUEENS, NY	05/24/19 09:51	05/24/19
L1922246-19	SB06.5_4-6	SOIL	QUEENS, NY	05/24/19 09:52	05/24/19
L1922246-20	SB06.5_6-8	SOIL	QUEENS, NY	05/24/19 09:53	05/24/19
L1922246-21	SB06.6_0-2	SOIL	QUEENS, NY	05/24/19 10:30	05/24/19
L1922246-22	SB06.6_2-4	SOIL	QUEENS, NY	05/24/19 10:31	05/24/19
L1922246-23	SB06.6_4-6	SOIL	QUEENS, NY	05/24/19 10:32	05/24/19
L1922246-24	SB06.6_6-8	SOIL	QUEENS, NY	05/24/19 10:33	05/24/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1922246-25	SB04.10_0.5-2	SOIL	QUEENS, NY	05/24/19 12:30	05/24/19
L1922246-26	SB04.10_5-6	SOIL	QUEENS, NY	05/24/19 12:32	05/24/19
L1922246-27	SB04.10_6-8	SOIL	QUEENS, NY	05/24/19 12:33	05/24/19
L1922246-28	SB04.11_0-1	SOIL	QUEENS, NY	05/24/19 12:55	05/24/19
L1922246-29	SB04.11_1-2.5	SOIL	QUEENS, NY	05/24/19 12:56	05/24/19
L1922246-30	SB04.11_5-6	SOIL	QUEENS, NY	05/24/19 12:57	05/24/19
L1922246-31	SB04.11_6-8	SOIL	QUEENS, NY	05/24/19 12:58	05/24/19
L1922246-32	SB04.12_1-3	SOIL	QUEENS, NY	05/24/19 11:15	05/24/19
L1922246-33	SB04.12_3-5	SOIL	QUEENS, NY	05/24/19 11:16	05/24/19
L1922246-34	SB04.12_5-7	SOIL	QUEENS, NY	05/24/19 11:17	05/24/19
L1922246-35	SB04.12_7-8	SOIL	QUEENS, NY	05/24/19 11:18	05/24/19
L1922246-36	SBDUP02_052419	SOIL	QUEENS, NY	05/24/19 11:20	05/24/19
L1922246-37	TRIP BLANK	WATER	QUEENS, NY	05/24/19 00:00	05/24/19

Project Name:	37-11 30TH ST.	**Lab Number:**	L1922246
Project Number:	170512301	**Report Date:**	06/19/19

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name:	37-11 30TH ST.	**Lab Number:**	L1922246
Project Number:	170512301	**Report Date:**	06/19/19

Case Narrative (continued)

Report Submission

June 19, 2019: This final report includes the results of all requested analyses.

June 05, 2019: This preliminary report includes the results of the Lead analysis performed on L1922246-17.

June 03, 2019: This is a preliminary report.

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

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 06/19/19

ORGANICS

VOLATILES

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1922246
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-37
Client ID: TRIP BLANK
Sample Location: QUEENS, NY

Date Collected: 05/24/19 00:00
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/29/19 14:50
Analyst: AD

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

Project Name: 37-11 30TH ST. **Lab Number:** L1922246

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-37 Date Collected: 05/24/19 00:00

Client ID: TRIP BLANK Date Received: 05/24/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 37-11 30TH ST. **Lab Number:** L1922246

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-37 Date Collected: 05/24/19 00:00

Client ID: TRIP BLANK Date Received: 05/24/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	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	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 37-11 30TH ST. **Lab Number:** L1922246

Project Number: 170512301 **Report Date:** 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/29/19 12:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 37 Batch: WG1242252-5					
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: 37-11 30TH ST. **Lab Number:** L1922246

Project Number: 170512301 **Report Date:** 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/29/19 12:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 37 Batch: WG1242252-5					
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: 37-11 30TH ST. **Lab Number:** L1922246

Project Number: 170512301 **Report Date:** 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/29/19 12:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 37 Batch: WG1242252-5					
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	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1922246

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 37 Batch: WG1242252-3 WG1242252-4								
Methylene chloride	91		91		70-130	0		20
1,1-Dichloroethane	86		87		70-130	1		20
Chloroform	93		93		70-130	0		20
Carbon tetrachloride	97		95		63-132	2		20
1,2-Dichloropropane	84		85		70-130	1		20
Dibromochloromethane	96		93		63-130	3		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	93		91		70-130	2		20
Chlorobenzene	92		90		75-130	2		20
Trichlorofluoromethane	83		80		62-150	4		20
1,2-Dichloroethane	92		94		70-130	2		20
1,1,1-Trichloroethane	94		92		67-130	2		20
Bromodichloromethane	94		95		67-130	1		20
trans-1,3-Dichloropropene	92		88		70-130	4		20
cis-1,3-Dichloropropene	89		87		70-130	2		20
1,1-Dichloropropene	86		86		70-130	0		20
Bromoform	90		92		54-136	2		20
1,1,2,2-Tetrachloroethane	84		84		67-130	0		20
Benzene	89		87		70-130	2		20
Toluene	94		92		70-130	2		20
Ethylbenzene	92		90		70-130	2		20
Chloromethane	**63**	Q	64		64-130	2		20
Bromomethane	76		77		39-139	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1922246

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 37 Batch: WG1242252-3 WG1242252-4								
Vinyl chloride	74		73		55-140	1		20
Chloroethane	82		80		55-138	2		20
1,1-Dichloroethene	86		86		61-145	0		20
trans-1,2-Dichloroethene	90		88		70-130	2		20
Trichloroethene	88		88		70-130	0		20
1,2-Dichlorobenzene	86		86		70-130	0		20
1,3-Dichlorobenzene	86		87		70-130	1		20
1,4-Dichlorobenzene	86		88		70-130	2		20
Methyl tert butyl ether	91		91		63-130	0		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	94		91		70-130	3		20
Dibromomethane	95		96		70-130	1		20
1,2,3-Trichloropropane	84		86		64-130	2		20
Acrylonitrile	80		82		70-130	2		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	62		62		36-147	0		20
Acetone	85		85		58-148	0		20
Carbon disulfide	83		82		51-130	1		20
2-Butanone	86		84		63-138	2		20
Vinyl acetate	76		76		70-130	0		20
4-Methyl-2-pentanone	79		78		59-130	1		20
2-Hexanone	73		71		57-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1922246

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 37 Batch: WG1242252-3 WG1242252-4								
Bromochloromethane	96		94		70-130	2		20
2,2-Dichloropropane	90		85		63-133	6		20
1,2-Dibromoethane	95		93		70-130	2		20
1,3-Dichloropropane	94		92		70-130	2		20
1,1,1,2-Tetrachloroethane	96		94		64-130	2		20
Bromobenzene	87		88		70-130	1		20
n-Butylbenzene	85		82		53-136	4		20
sec-Butylbenzene	81		82		70-130	1		20
tert-Butylbenzene	87		86		70-130	1		20
o-Chlorotoluene	88		88		70-130	0		20
p-Chlorotoluene	88		89		70-130	1		20
1,2-Dibromo-3-chloropropane	79		75		41-144	5		20
Hexachlorobutadiene	86		85		63-130	1		20
Isopropylbenzene	86		86		70-130	0		20
p-Isopropyltoluene	85		85		70-130	0		20
Naphthalene	88		86		70-130	2		20
n-Propylbenzene	86		86		69-130	0		20
1,2,3-Trichlorobenzene	77		81		70-130	5		20
1,2,4-Trichlorobenzene	78		79		70-130	1		20
1,3,5-Trimethylbenzene	88		87		64-130	1		20
1,2,4-Trimethylbenzene	87		87		70-130	0		20
1,4-Dioxane	86		84		56-162	2		20
p-Diethylbenzene	86		84		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1922246

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 37 Batch: WG1242252-3 WG1242252-4								
p-Ethyltoluene	86		86		70-130	0		20
1,2,4,5-Tetramethylbenzene	88		86		70-130	2		20
Ethyl ether	87		88		59-134	1		20
trans-1,4-Dichloro-2-butene	**60**	Q	**60**	Q	70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		108		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	102		102		70-130

METALS

Project Name: 37-11 30TH ST.
Lab Number: L1922246
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-01
Client ID: SB06.1_0-2
Sample Location: QUEENS, NY
Date Collected: 05/24/19 08:10
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	2130		mg/kg	2.15	0.115	1	05/30/19 18:20	06/03/19 13:42	EPA 3050B	1,6010D	PS

Project Name: 37-11 30TH ST.
Lab Number: L1922246
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-05
Client ID: SB06.2_0-2
Sample Location: QUEENS, NY
Date Collected: 05/24/19 07:55
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	1200		mg/kg	2.35	0.126	1	05/30/19 18:20	06/03/19 13:47	EPA 3050B	1,6010D	PS

Project Name: 37-11 30TH ST.
Lab Number: L1922246
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-09
Client ID: SB06.3_0-2
Sample Location: QUEENS, NY
Date Collected: 05/24/19 09:00
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	19.7		mg/kg	2.05	0.110	1	05/30/19 18:20	06/03/19 13:51	EPA 3050B	1,6010D	PS

Project Name: 37-11 30TH ST.
Lab Number: L1922246
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-17
Client ID: SB06.5_0-2
Sample Location: QUEENS, NY
Date Collected: 05/24/19 09:50
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	599		mg/kg	2.20	0.118	1	06/05/19 11:00	06/05/19 14:25	EPA 3050B	1,6010D	LC

Project Name: 37-11 30TH ST.
Lab Number: L1922246
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-25
Client ID: SB04.10_0.5-2
Sample Location: QUEENS, NY
Date Collected: 05/24/19 12:30
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 05/28/19 19:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Chromium, TCLP	1.92		mg/l	0.200	0.021	1	06/02/19 19:47	06/03/19 15:45	EPA 3015	1,6010D	PS

Project Name: 37-11 30TH ST.
Lab Number: L1922246
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-25
Client ID: SB04.10_0.5-2
Sample Location: QUEENS, NY
Date Collected: 05/24/19 12:30
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
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											
Chromium, Total	7.69		mg/kg	0.438	0.042	1	05/30/19 18:20	06/03/19 13:55	EPA 3050B	1,6010D	PS

Project Name: 37-11 30TH ST.
Project Number: 170512301
Lab Number: L1922246
Report Date: 06/19/19

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): 01,05,09,25 Batch: WG1242787-1										
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/30/19 18:20	06/03/19 12:47	1,6010D	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	05/30/19 18:20	06/03/19 12:47	1,6010D	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 25 Batch: WG1243576-1										
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/02/19 19:47	06/03/19 15:00	1,6010D	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 05/28/19 19:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 17 Batch: WG1244772-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	06/05/19 11:00	06/05/19 13:12	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1922246

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,05,09,25 Batch: WG1242787-2 SRM Lot Number: D105-540								
Chromium, Total	87		-		70-130	-		
Lead, Total	90		-		71-128	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 25 Batch: WG1243576-2								
Chromium, TCLP	106		-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 17 Batch: WG1244772-2 SRM Lot Number: D105-540								
Lead, Total	86		-		71-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

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): 01,05,09,25 QC Batch ID: WG1242787-3 QC Sample: L1922244-01 Client ID: MS Sample												
Chromium, Total	31.8	17.7	47.7	90		-	-		75-125	-		20
Lead, Total	9.12	45.2	41.0	**70**	Q	-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 25 QC Batch ID: WG1243576-3 QC Sample: L1921455-01 Client ID: MS Sample												
Chromium, TCLP	ND	2	2.30	115		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1244772-3 QC Sample: L1921978-24 Client ID: MS Sample												
Lead, Total	203	43.4	234	**71**	Q	-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,05,09,25 QC Batch ID: WG1242787-4 QC Sample: L1922244-01 Client ID: DUP Sample						
Lead, Total	9.12	9.00	mg/kg	1		20
Total Metals - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1244772-4 QC Sample: L1921978-24 Client ID: DUP Sample						
Lead, Total	203	358	mg/kg	**55**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-01
Client ID: SB06.1_0-2
Sample Location: QUEENS, NY

Date Collected: 05/24/19 08:10
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	05/25/19 15:22	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-05
Client ID: SB06.2_0-2
Sample Location: QUEENS, NY

Date Collected: 05/24/19 07:55
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	05/25/19 15:22	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-09
Client ID: SB06.3_0-2
Sample Location: QUEENS, NY

Date Collected: 05/24/19 09:00
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	05/25/19 15:22	121,2540G	RI

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-17
Client ID: SB06.5_0-2
Sample Location: QUEENS, NY

Date Collected: 05/24/19 09:50
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	06/05/19 01:21	121,2540G	YA

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1922246-25
Client ID: SB04.10_0.5-2
Sample Location: QUEENS, NY

Date Collected: 05/24/19 12:30
Date Received: 05/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	05/25/19 15:22	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH ST.

Project Number: 170512301

Lab Number: L1922246

Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,05,09,25 QC Batch ID: WG1241332-1 QC Sample: L1922227-01 Client ID: DUP Sample						
Solids, Total	79.6	79.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 17 QC Batch ID: WG1244586-1 QC Sample: L1923525-04 Client ID: DUP Sample						
Solids, Total	84.9	84.8	%	0		20

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1922246-01A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L1922246-01B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		PB-TI(180)
L1922246-01C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-02A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-02B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-02C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-03A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-03B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-03C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-04A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-04B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-04C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-05A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L1922246-05B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		PB-TI(180)
L1922246-05C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-06A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-06B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-06C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-07A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-07B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-07C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-08A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1922246-08B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-08C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-09A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L1922246-09B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		PB-TI(180)
L1922246-09C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-10A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-10B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-10C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-11A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-11B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-11C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-12A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-12B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-12C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-13A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-13B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-13C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-14A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-14B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-14C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-15A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-15B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-15C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-16A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-16B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-16C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-17A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L1922246-17B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14),PB-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1922246-17C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-18A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-18B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-18C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-19A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-19B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-19C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-20A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-20B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-20C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-21A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-21B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-21C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-22A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-22B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-22C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-23A	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		HOLD-WETCHEM()
L1922246-23B	Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-23C	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-24A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-24B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-24C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-25A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1922246-25B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		CR-TI(180)
L1922246-25C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		-
L1922246-25X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.8	Y	Absent		CR-CI(180)
L1922246-25X9	Tumble Vessel	A	NA		2.8	Y	Absent		-
L1922246-26A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1922246-26B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-26C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-27A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-27B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-27C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-28A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-28B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-28C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-29A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-29B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-29C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-30A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-30B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-30C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-31A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-31B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-31C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-32A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-32B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-32C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-33A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-33B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-33C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-34A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-34B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-34C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-35A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-35B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH ST.
Project Number: 170512301

Lab Number: L1922246
Report Date: 06/19/19

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1922246-35C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-36A	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L1922246-36B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-36C	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1922246-37A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1922246-37B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH ST.	**Lab Number:**	L1922246
Project Number:	170512301	**Report Date:**	06/19/19

GLOSSARY

Acronyms

DL - 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

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.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

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.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH ST.	**Lab Number:**	L1922246
Project Number:	170512301	**Report Date:**	06/19/19

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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 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.

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).

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH ST.	**Lab Number:**	L1922246
Project Number:	170512301	**Report Date:**	06/19/19

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.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, 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

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 4

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1922246

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST NEW YORK, NY
Phone: 212-479-5400
Fax: DATAMANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30TH ST.
Project Location: QUEENS, NY
Project #: 170512301
(Use Project name as Project #)
Project Manager: EMILY S NEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead HOLD TCLP Metals	HOLD total lead TCLP Metals	Total Bottle	Sample Specific Comments
22246-01	SB06.1-0-2	5/24/19	8:10	S	KR	X			
-02	SB06.1-2-4		8:11				X		
-03	SB06.1-4-6		8:12				X		
-04	SB06.1-6-8		8:13				X		
-05	SB06.2-0-2		7:55			X			
-06	SB06.2-2-4		7:56				X		
-07	SB06.2-4-6		7:57				X		
-08	SB06.2-6-8		7:58				X		
-09	SB06.3-0-2		9:00			X			
-10	SB06.3-2-4		9:01				X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/24/19 1550	Brian S Chen AAL	5/24/19 1550
Brian S Chen AAL	5/24/19 1900	[illegible] QFL	5/24 20:17
[illegible] QFL	5/25 00:35	Wendy Monroy	5/25/19 00:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 4

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1922246

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST.
Phone: 212-479-5400
Fax: DATA MANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30TH STREET
Project Location: QUEENS, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
HOLD total lead, TCLP metals

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HOLD	Sample Specific Comments
22246-11	SB06.3-4-6	5/24/19	902	S	KR	X	
-12	SB06.3-6-8		903			X	
-13	SB06.4-0-2		920			X	
-14	SB06.4-2-4		921			X	
-15	SB06.4-4-6		922			X	
-16	SB06.4-6-8		923			X	
-17	SB06.5-0-2		950			X	
-18	SB06.5-2-4		951			X	
-19	SB06.5-4-6		952			X	
-20	SB06.5-6-8		953			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/24/19 1550	Brian Schenal	5/24/19 1550
Brian Schenal	5/24/19 1900	Langan QFC	5/24 20:12
Langan QFC	5/25 00:35	Wendy Morrow	5/25/19 00:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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FAX: 508-822-3288

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Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 4

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1922246

Project Information
- Project Name: 37-11 30th street
- Project Location: Queens, NY
- Project #: 170512301
- (Use Project name as Project #): ☐
- Project Manager: Emily Snead
- ALPHAQuote #:

Turn-Around Time
- Standard: ☑
- Rush (only if pre approved): ☐
- Due Date:
- # of Days:

Client Information
- Client: LANGAN ENGINEERING
- Address: 360 W 31ST ST. NEW YORK, NY
- Phone: 212-479-5400
- Fax: DATAMANAGEMENT@LANGAN.COM
- Email: ESNEAD@LANGAN.COM

Deliverables
- ☐ ASP-A ☑ ASP-B
- ☐ EQuIS (1 File) ☐ EQuIS (4 File)
- ☐ Other

Regulatory Requirement
- ☐ NY TOGS ☐ NY Part 375
- ☐ AWQ Standards ☐ NY CP-51
- ☐ NY Restricted Use ☐ Other
- ☐ NY Unrestricted Use
- ☐ NYC Sewer Discharge

Billing Information
- ☑ Same as Client Info
- PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- ☐ NJ ☐ NY
- ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
- ☐ Done
- ☐ Lab to do

Preservation
- ☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HOLD total (ld) TCLP Metals	Total & TCLP chromium	HOLD total & TCLP chromium					Sample Specific Comments	Total Bottle
22246 -21	SB06.6-0-2	5/24/19	1030	S	KR	X								
-22	SB06.6-2-4		1031			X								
-23	SB066-4-6		1032			X								
-24	SB06.6-6-8		1033			X								
-25	SB04.10-0.5-2		1230				X							
-26	SB04.10-5-6		1232					X						
-27	SB04.10-6-8		1233					X						
-28	SB04.11-0-1		1255					X						
-29	SB04.11-1-2.5		1256					X						
-30	SB04.11-5-6		1257					X						

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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:	Date/Time	Received By:	Date/Time
KR	5/24/19 1550	Brian Schechter ALPHA	5/24/19 1540
Brian Schechter ALPHA	5/24/19 1900	QFL	5/24 20:17
QFL	5/25 00:35	Mindy Morning	5/25/19 00:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 4

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1922246

Client Information
Client: LANGAN Engineering
Address: 300 W 31st St New York, NY
Phone: 212 479 5400
Fax: datamanagement@langan.com
Email: esnead@langan.com

Project Information
Project Name: 37-11 30th street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	FIELD Total & Trivalent Chromium	VOCs, SOIL	Sample Specific Comments
22246 -31	SB04.11-6-8	5/24/19	1258	S	KR	X		
-32	SB04.12-1-3	"	1115	"	"	X		
-33	SB04.12-3-5	"	1116	"	"	X		
-34	SB04.12-5-7	"	1117	"	"	X		
-35	SB04.12-7-8	"	1118	"	"	X		
-36	SBDUP02-052419	"	1120	"	"	X		
-37	TRIP BLANK	"	-	aq	"		X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/24/19 1550	Brian S Chen AAL	5/24/19 1550
Brian S Chen AAL	5/24/19 1900	QFL	5/24 20:17
via QFL	5/25 00:35	Wendy Morency	5/25/19 00:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1921978
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Emily Snead
Phone:	(212) 479-5432
Project Name:	37-11 30TH STREET
Project Number:	170512301
Report Date:	06/19/19

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921978-01	SB14_1-3	SOIL	QUEENS, NY	05/23/19 09:00	05/23/19
L1921978-02	SB14_0-1	SOIL	QUEENS, NY	05/23/19 09:10	05/23/19
L1921978-03	SB14_1-2	SOIL	QUEENS, NY	05/23/19 09:11	05/23/19
L1921978-04	SB14_2-3	SOIL	QUEENS, NY	05/23/19 09:12	05/23/19
L1921978-05	SB15_4-5	SOIL	QUEENS, NY	05/23/19 09:13	05/23/19
L1921978-06	SB15_5-6	SOIL	QUEENS, NY	05/23/19 09:14	05/23/19
L1921978-07	WC07_COMP_0-6	SOIL	QUEENS, NY	05/23/19 09:15	05/23/19
L1921978-08	SP-2A_0-2	SOIL	QUEENS, NY	05/23/19 09:50	05/23/19
L1921978-09	SP-2A_2-4	SOIL	QUEENS, NY	05/23/19 09:55	05/23/19
L1921978-10	SP-2A_4-6	SOIL	QUEENS, NY	05/23/19 09:56	05/23/19
L1921978-11	SP-2A_6-8	SOIL	QUEENS, NY	05/23/19 10:10	05/23/19
L1921978-12	SP-2.1_0-2	SOIL	QUEENS, NY	05/23/19 10:10	05/23/19
L1921978-13	SP-2.1_2-4	SOIL	QUEENS, NY	05/23/19 10:11	05/23/19
L1921978-14	SP-2.1_4-6	SOIL	QUEENS, NY	05/23/19 10:12	05/23/19
L1921978-15	SP-2.1_6-8	SOIL	QUEENS, NY	05/23/19 10:13	05/23/19
L1921978-16	SP-2.2_0-2	SOIL	QUEENS, NY	05/23/19 10:30	05/23/19
L1921978-17	SP-2.2_2-4	SOIL	QUEENS, NY	05/23/19 10:31	05/23/19
L1921978-18	SP-2.2_4-6	SOIL	QUEENS, NY	05/23/19 10:32	05/23/19
L1921978-19	SP-2.2_6-8	SOIL	QUEENS, NY	05/23/19 10:33	05/23/19
L1921978-20	SP-2.3_0-2	SOIL	QUEENS, NY	05/23/19 11:00	05/23/19
L1921978-21	SP-2.3_2-4	SOIL	QUEENS, NY	05/23/19 11:01	05/23/19
L1921978-22	SP-2.3_4-6	SOIL	QUEENS, NY	05/23/19 11:02	05/23/19
L1921978-23	SP-2.3_6-8	SOIL	QUEENS, NY	05/23/19 11:03	05/23/19
L1921978-24	SP-2.4_0-2	SOIL	QUEENS, NY	05/23/19 11:10	05/23/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921978-25	SP-2.4_2-4	SOIL	QUEENS, NY	05/23/19 11:11	05/23/19
L1921978-26	SP-2.4_4-6	SOIL	QUEENS, NY	05/23/19 11:12	05/23/19
L1921978-27	SP-2.4_6-8	SOIL	QUEENS, NY	05/23/19 11:13	05/23/19
L1921978-28	SBDUP01_052319	SOIL	QUEENS, NY	05/23/19 09:05	05/23/19
L1921978-29	SP-2.5_0-2	SOIL	QUEENS, NY	05/23/19 11:30	05/23/19
L1921978-30	SP-2.5_2-4	SOIL	QUEENS, NY	05/23/19 11:31	05/23/19
L1921978-31	SP-2.5_4-6	SOIL	QUEENS, NY	05/23/19 11:32	05/23/19
L1921978-32	SP-2.5_6-8	SOIL	QUEENS, NY	05/23/19 11:33	05/23/19
L1921978-33	SP-2.6_0-2	SOIL	QUEENS, NY	05/23/19 11:50	05/23/19
L1921978-34	SP-2.6_2-4	SOIL	QUEENS, NY	05/23/19 11:51	05/23/19
L1921978-35	SP-2.6_4-6	SOIL	QUEENS, NY	05/23/19 11:52	05/23/19
L1921978-36	SP-2.6_6-8	SOIL	QUEENS, NY	05/23/19 11:53	05/23/19
L1921978-37	SP-2.7_0-2	SOIL	QUEENS, NY	05/23/19 12:00	05/23/19
L1921978-38	SP-2.7_2-4	SOIL	QUEENS, NY	05/23/19 12:01	05/23/19
L1921978-39	SP-2.7_4-6	SOIL	QUEENS, NY	05/23/19 12:02	05/23/19
L1921978-40	SP-2.7_6-8	SOIL	QUEENS, NY	05/23/19 12:03	05/23/19
L1921978-41	SP-2.8_0-2	SOIL	QUEENS, NY	05/23/19 12:30	05/23/19
L1921978-42	SP-2.8_2-4	SOIL	QUEENS, NY	05/23/19 12:31	05/23/19
L1921978-43	SP-2.8_4-6	SOIL	QUEENS, NY	05/23/19 12:32	05/23/19
L1921978-44	SP-2.8_6-8	SOIL	QUEENS, NY	05/23/19 12:33	05/23/19
L1921978-45	SP-2.9_0-2	SOIL	QUEENS, NY	05/23/19 12:45	05/23/19
L1921978-46	SP-2.9_2-4	SOIL	QUEENS, NY	05/23/19 12:46	05/23/19
L1921978-47	SP-2.9_4-6	SOIL	QUEENS, NY	05/23/19 12:47	05/23/19
L1921978-48	SP-2.9_6-8	SOIL	QUEENS, NY	05/23/19 12:48	05/23/19
L1921978-49	SP-9A_0-2	SOIL	QUEENS, NY	05/23/19 13:00	05/23/19
L1921978-50	SP-9A_2-4	SOIL	QUEENS, NY	05/23/19 13:01	05/23/19
L1921978-51	SP-9A_4-6	SOIL	QUEENS, NY	05/23/19 13:02	05/23/19
L1921978-52	SP-9A_6-8	SOIL	QUEENS, NY	05/23/19 13:03	05/23/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921978-53	SP-9.4_0-2	SOIL	QUEENS, NY	05/23/19 13:15	05/23/19
L1921978-54	SP-9.4_2-4	SOIL	QUEENS, NY	05/23/19 13:16	05/23/19
L1921978-55	SP-9.4_4-6	SOIL	QUEENS, NY	05/23/19 13:17	05/23/19
L1921978-56	SP-9.4_6-8	SOIL	QUEENS, NY	05/23/19 13:18	05/23/19
L1921978-57	SP-9.5_0-2	SOIL	QUEENS, NY	05/23/19 13:35	05/23/19
L1921978-58	SP-9.5_2-4	SOIL	QUEENS, NY	05/23/19 13:36	05/23/19
L1921978-59	SP-9.5_4-6	SOIL	QUEENS, NY	05/23/19 13:37	05/23/19
L1921978-60	SP-9.5_6-8	SOIL	QUEENS, NY	05/23/19 13:38	05/23/19
L1921978-61	SP-9.6_0-2	SOIL	QUEENS, NY	05/23/19 14:00	05/23/19
L1921978-62	SP-9.6_2-4	SOIL	QUEENS, NY	05/23/19 14:01	05/23/19
L1921978-63	SP-9.6_4-6	SOIL	QUEENS, NY	05/23/19 14:02	05/23/19
L1921978-64	SP-9.6_6-8	SOIL	QUEENS, NY	05/23/19 14:03	05/23/19
L1921978-65	SP-9.7_0-2	SOIL	QUEENS, NY	05/23/19 14:04	05/23/19
L1921978-66	SP-9.7_2-4	SOIL	QUEENS, NY	05/23/19 14:05	05/23/19
L1921978-67	SP-9.7_4-6	SOIL	QUEENS, NY	05/23/19 14:06	05/23/19
L1921978-68	SP-9.7_6-8	SOIL	QUEENS, NY	05/23/19 14:07	05/23/19
L1921978-69	SP-9.8_0-2	SOIL	QUEENS, NY	05/23/19 14:20	05/23/19
L1921978-70	SP-9.8_2-4	SOIL	QUEENS, NY	05/23/19 14:21	05/23/19
L1921978-71	SP-9.8_4-6	SOIL	QUEENS, NY	05/23/19 14:22	05/23/19
L1921978-72	SP-9.8_6-8	SOIL	QUEENS, NY	05/23/19 14:23	05/23/19
L1921978-73	SP-9.9_0-2	SOIL	QUEENS, NY	05/23/19 14:40	05/23/19
L1921978-74	SP-9.9_2-4	SOIL	QUEENS, NY	05/23/19 14:41	05/23/19
L1921978-75	SP-9.9_4-6	SOIL	QUEENS, NY	05/23/19 14:42	05/23/19
L1921978-76	SP-9.9_6-8	SOIL	QUEENS, NY	05/23/19 14:43	05/23/19
L1921978-77	SP-9.1_0-2	SOIL	QUEENS, NY	05/23/19 14:50	05/23/19
L1921978-78	SP-9.1_2-4	SOIL	QUEENS, NY	05/23/19 14:51	05/23/19
L1921978-79	SP-9.1_4-6	SOIL	QUEENS, NY	05/23/19 14:52	05/23/19
L1921978-80	SP-9.1_6-8	SOIL	QUEENS, NY	05/23/19 14:53	05/23/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921978-81	SP-9.2_0-2	SOIL	QUEENS, NY	05/23/19 15:20	05/23/19
L1921978-82	SP-9.2_2-4	SOIL	QUEENS, NY	05/23/19 15:21	05/23/19
L1921978-83	SP-9.2_4-6	SOIL	QUEENS, NY	05/23/19 15:22	05/23/19
L1921978-84	SP-9.2_6-8	SOIL	QUEENS, NY	05/23/19 15:23	05/23/19
L1921978-85	SP-9.3_0-2	SOIL	QUEENS, NY	05/23/19 15:30	05/23/19
L1921978-86	SP-9.3_2-4	SOIL	QUEENS, NY	05/23/19 15:31	05/23/19
L1921978-87	SP-9.3_4-6	SOIL	QUEENS, NY	05/23/19 15:32	05/23/19
L1921978-88	SP-9.3_6-8	SOIL	QUEENS, NY	05/23/19 15:33	05/23/19
L1921978-89	FIELD BLANK	WATER	QUEENS, NY	05/23/19 15:00	05/23/19
L1921978-90	TRIP BLANK	WATER	QUEENS, NY	05/23/19 00:00	05/23/19

Project Name:	37-11 30TH STREET	**Lab Number:**	L1921978
Project Number:	170512301	**Report Date:**	06/19/19

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name: 37-11 30TH STREET **Lab Number:** L1921978
Project Number: 170512301 **Report Date:** 06/19/19

Case Narrative (continued)

Report Submission

June 19, 2019: This final report includes the results of all requested analyses.

June 05, 2019: This preliminary report includes the results of the Total Metals analyses performed on L1921978-24, -37, -53, and -65.

June 03, 2019: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

L1921978-85: The collection date and time on the chain of custody was 23-MAY-19 15:30; however, the collection date/time on the container label was 23-MAY-19 15:00. At the client's request, the collection date/time is reported as 23-MAY-19 15:30.

L1921978-86: The collection date and time on the chain of custody was 23-MAY-19 15:31; however, the collection date/time on the container label was 23-MAY-19 15:00. At the client's request, the collection date/time is reported as 23-MAY-19 15:31.

L1921978-87: The collection date and time on the chain of custody was 23-MAY-19 15:32; however, the collection date/time on the container label was 23-MAY-19 15:00. At the client's request, the collection date/time is reported as 23-MAY-19 15:32.

L1921978-88: The collection date and time on the chain of custody was 23-MAY-19 15:33; however, the collection date/time on the container label was 23-MAY-19 15:00. At the client's request, the collection date/time is reported as 23-MAY-19 15:33.

Semivolatile Organics

The WG1241412-2 LCS recovery, associated with L1921978-89, is below the acceptance criteria for benzidine (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples

Project Name: 37-11 30TH STREET **Lab Number:** L1921978
Project Number: 170512301 **Report Date:** 06/19/19

Case Narrative (continued)

are reported.

NJ EPH (Total)

WG1241429: An MS was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

Total Metals

L1921978-07: 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.

The WG1244772-3 MS recovery for lead (71%), performed on L1921978-24, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1244772-4 Laboratory Duplicate RPD for lead (55%), performed on L1921978-24, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total

The WG1242655-2 LCS recovery (70%), associated with L1921978-07, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 06/19/19

ORGANICS

VOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-01
Client ID: SB14_1-3
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/30/19 11:29
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	1.0		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-01 Date Collected: 05/23/19 09:00

Client ID: SB14_1-3 Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.41	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	40		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	2.6	J	ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1
Tert-Butyl Alcohol	16	J	ug/kg	21	5.4	1

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-01
Client ID: SB14_1-3
Sample Location: QUEENS, NY
Date Collected: 05/23/19 09:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	170		ug/kg	4.2	0.99	1
Acrolein	ND		ug/kg	26	5.9	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.72	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-28
Client ID: SBDUP01_052319
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:05
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/30/19 11:54
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-28 Date Collected: 05/23/19 09:05

Client ID: SBDUP01_052319 Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	5.6	J	ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	9.7		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1
Tert-Butyl Alcohol	ND		ug/kg	22	5.8	1

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-28
Client ID: SBDUP01_052319
Sample Location: QUEENS, NY
Date Collected: 05/23/19 09:05
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	39		ug/kg	4.5	1.1	1
Acrolein	ND		ug/kg	28	6.3	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	90	39.	1
Freon-113	ND		ug/kg	4.5	0.78	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY
Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/28/19 18:49
Analyst: PK

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

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89 Date Collected: 05/23/19 15:00

Client ID: FIELD BLANK Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	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

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY
Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	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
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-90
Client ID: TRIP BLANK
Sample Location: QUEENS, NY

Date Collected: 05/23/19 00:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/29/19 13:56
Analyst: AD

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

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-90 Date Collected: 05/23/19 00:00

Client ID: TRIP BLANK Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	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
Acrolein	ND		ug/l	5.0	0.44	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

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-90
Client ID: TRIP BLANK
Sample Location: QUEENS, NY
Date Collected: 05/23/19 00:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	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
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 11:41
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 89 Batch: WG1241989-5					
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: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 11:41
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 89 Batch: WG1241989-5					
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
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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
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

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 11:41
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 89 Batch: WG1241989-5					
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	68	J	ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 11:41
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 89 Batch: WG1241989-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/29/19 08:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 90 Batch: WG1242364-5					
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: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/29/19 08:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 90 Batch: WG1242364-5					
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
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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
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

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/29/19 08:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 90 Batch: WG1242364-5					
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/29/19 08:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 90 Batch: WG1242364-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/30/19 07:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,28 Batch: WG1242717-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/30/19 07:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,28 Batch: WG1242717-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/30/19 07:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,28 Batch: WG1242717-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/30/19 07:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,28 Batch: WG1242717-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241989-3 WG1241989-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	100		97		63-130	3		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	96		94		54-136	2		20
1,1,2,2-Tetrachloroethane	120		110		67-130	9		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	97		95		64-130	2		20
Bromomethane	40		41		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241989-3 WG1241989-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	120		120		64-130	0		20
Acrylonitrile	100		100		70-130	0		20
Tert-Butyl Alcohol	84		72		70-130	15		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	83		84		36-147	1		20
Acetone	110		100		58-148	10		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	120		110		63-138	9		20
Vinyl acetate	130		120		70-130	8		20
4-Methyl-2-pentanone	110		110		59-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241989-3 WG1241989-4								
2-Hexanone	120		120		57-130	0		20
Acrolein	97		96		40-160	1		20
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	120		120		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	120		120		70-130	0		20
tert-Butylbenzene	120		120		70-130	0		20
o-Chlorotoluene	120		120		70-130	0		20
p-Chlorotoluene	120		120		70-130	0		20
1,2-Dibromo-3-chloropropane	74		72		41-144	3		20
Hexachlorobutadiene	98		100		63-130	2		20
Isopropylbenzene	120		120		70-130	0		20
p-Isopropyltoluene	120		110		70-130	9		20
Naphthalene	76		74		70-130	3		20
n-Propylbenzene	130		130		69-130	0		20
1,2,3-Trichlorobenzene	76		73		70-130	4		20
1,2,4-Trichlorobenzene	86		82		70-130	5		20
1,3,5-Trimethylbenzene	120		120		64-130	0		20
1,2,4-Trimethylbenzene	120		120		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241989-3 WG1241989-4								
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	120		130		70-130	8		20
1,4-Dioxane	80		70		56-162	13		20
Freon-113	110		110		70-130	0		20
p-Diethylbenzene	110		110		70-130	0		20
p-Ethyltoluene	120		120		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		109		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	107		105		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 90 Batch: WG1242364-3 WG1242364-4								
Methylene chloride	95		100		70-130	5		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	98		100		63-130	2		20
1,1,2-Trichloroethane	97		100		70-130	3		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		99		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	120		130		70-130	8		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	91		97		67-130	6		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	89		85		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 90 Batch: WG1242364-3 WG1242364-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	110		98		55-138	12		20
1,1-Dichloroethene	98		99		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	96		99		70-130	3		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	98		110		64-130	12		20
Acrylonitrile	100		110		70-130	10		20
Tert-Butyl Alcohol	98		112		70-130	13		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	98		94		36-147	4		20
Acetone	110		120		58-148	9		20
Carbon disulfide	95		96		51-130	1		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	92		100		59-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 90 Batch: WG1242364-3 WG1242364-4								
2-Hexanone	89		98		57-130	10		20
Acrolein	98		100		40-160	2		20
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	95		100		70-130	5		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	94		96		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	92		96		70-130	4		20
tert-Butylbenzene	99		99		70-130	0		20
o-Chlorotoluene	120		120		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	95		100		41-144	5		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	96		98		70-130	2		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	89		96		70-130	8		20
n-Propylbenzene	99		99		69-130	0		20
1,2,3-Trichlorobenzene	98		100		70-130	2		20
1,2,4-Trichlorobenzene	97		100		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 90 Batch: WG1242364-3 WG1242364-4								
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	90		102		56-162	13		20
Freon-113	100		100		70-130	0		20
p-Diethylbenzene	99		100		70-130	1		20
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	93		96		59-134	3		20
trans-1,4-Dichloro-2-butene	100		110		70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		124		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,28 Batch: WG1242717-3 WG1242717-4								
Methylene chloride	109		106		70-130	3		30
1,1-Dichloroethane	106		101		70-130	5		30
Chloroform	109		103		70-130	6		30
Carbon tetrachloride	116		106		70-130	9		30
1,2-Dichloropropane	102		97		70-130	5		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	88		86		70-130	2		30
Tetrachloroethene	101		96		70-130	5		30
Chlorobenzene	94		90		70-130	4		30
Trichlorofluoromethane	110		101		70-139	9		30
1,2-Dichloroethane	104		101		70-130	3		30
1,1,1-Trichloroethane	116		105		70-130	10		30
Bromodichloromethane	109		104		70-130	5		30
trans-1,3-Dichloropropene	91		89		70-130	2		30
cis-1,3-Dichloropropene	112		108		70-130	4		30
1,1-Dichloropropene	114		108		70-130	5		30
Bromoform	92		91		70-130	1		30
1,1,2,2-Tetrachloroethane	81		79		70-130	3		30
Benzene	109		101		70-130	8		30
Toluene	90		85		70-130	6		30
Ethylbenzene	91		86		70-130	6		30
Chloromethane	79		73		52-130	8		30
Bromomethane	126		118		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,28 Batch: WG1242717-3 WG1242717-4								
Vinyl chloride	88		81		67-130	8		30
Chloroethane	96		89		50-151	8		30
1,1-Dichloroethene	116		107		65-135	8		30
trans-1,2-Dichloroethene	115		104		70-130	10		30
Trichloroethene	111		103		70-130	7		30
1,2-Dichlorobenzene	87		84		70-130	4		30
1,3-Dichlorobenzene	88		84		70-130	5		30
1,4-Dichlorobenzene	88		84		70-130	5		30
Methyl tert butyl ether	113		110		66-130	3		30
p/m-Xylene	96		91		70-130	5		30
o-Xylene	96		91		70-130	5		30
cis-1,2-Dichloroethene	112		106		70-130	6		30
Dibromomethane	109		107		70-130	2		30
Styrene	97		93		70-130	4		30
Dichlorodifluoromethane	86		78		30-146	10		30
Acetone	96		100		54-140	4		30
Carbon disulfide	107		99		59-130	8		30
2-Butanone	92		92		70-130	0		30
Vinyl acetate	116		113		70-130	3		30
4-Methyl-2-pentanone	83		84		70-130	1		30
1,2,3-Trichloropropane	77		77		68-130	0		30
2-Hexanone	75		78		70-130	4		30
Bromochloromethane	120		116		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,28 Batch: WG1242717-3 WG1242717-4								
2,2-Dichloropropane	116		106		70-130	9		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	89		87		69-130	2		30
1,1,1,2-Tetrachloroethane	98		94		70-130	4		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	84		78		70-130	7		30
sec-Butylbenzene	86		80		70-130	7		30
tert-Butylbenzene	88		81		70-130	8		30
o-Chlorotoluene	95		90		70-130	5		30
p-Chlorotoluene	83		80		70-130	4		30
1,2-Dibromo-3-chloropropane	89		90		68-130	1		30
Hexachlorobutadiene	89		83		67-130	7		30
Isopropylbenzene	87		81		70-130	7		30
p-Isopropyltoluene	88		82		70-130	7		30
Naphthalene	87		85		70-130	2		30
Acrylonitrile	103		103		70-130	0		30
Tert-Butyl Alcohol	100		103		70-130	3		30
n-Propylbenzene	83		78		70-130	6		30
1,2,3-Trichlorobenzene	92		88		70-130	4		30
1,2,4-Trichlorobenzene	93		87		70-130	7		30
1,3,5-Trimethylbenzene	86		82		70-130	5		30
1,2,4-Trimethylbenzene	86		81		70-130	6		30
Methyl Acetate	98		94		51-146	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,28 Batch: WG1242717-3 WG1242717-4								
Acrolein	101		102		70-130	1		30
Cyclohexane	106		96		59-142	10		30
1,4-Dioxane	110		110		65-136	0		30
Freon-113	118		108		50-139	9		30
p-Diethylbenzene	87		81		70-130	7		30
p-Ethyltoluene	86		80		70-130	7		30
1,2,4,5-Tetramethylbenzene	89		83		70-130	7		30
Ethyl ether	110		107		67-130	3		30
trans-1,4-Dichloro-2-butene	78		78		70-130	0		30
Methyl cyclohexane	113		103		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	88		89		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/29/19 17:45
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/26/19 10:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Benzidine	ND		ug/kg	610	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	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	32.	1
Azobenzene	ND		ug/kg	180	18.	1
Fluoranthene	230		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	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	27	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	78	J	ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07 Date Collected: 05/23/19 09:15

Client ID: WC07_COMP_0-6 Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	110		ug/kg	110	21.	1
Benzo(a)pyrene	91	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	120		ug/kg	110	31.	1
Benzo(k)fluoranthene	37	J	ug/kg	110	30.	1
Chrysene	86	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	52	J	ug/kg	110	36.	1
Benzo(ghi)perylene	59	J	ug/kg	150	22.	1
Fluorene	21	J	ug/kg	180	18.	1
Phenanthrene	230		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	60	J	ug/kg	150	26.	1
Pyrene	180		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	21	J	ug/kg	180	18.	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
n-Nitrosodimethylamine	ND		ug/kg	370	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY
Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	33	J	ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	57		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/02/19 18:54
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 07:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
Benzidine	ND		ug/l	20	1.8	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Azobenzene	ND		ug/l	2.0	0.37	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89 Date Collected: 05/23/19 15:00

Client ID: FIELD BLANK Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
n-Nitrosodimethylamine	ND		ug/l	2.0	0.76	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89 Date Collected: 05/23/19 15:00

Client ID: FIELD BLANK Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	83		41-149

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/28/19 12:22
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 05/25/19 13:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1241310-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
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	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
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	470	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.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/28/19 12:22
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 05/25/19 13:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1241310-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
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	68.
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.
n-Nitrosodimethylamine	ND		ug/kg	330	31.
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.

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/28/19 12:22
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 05/25/19 13:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1241310-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	67.
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	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
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.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	83		18-120

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/02/19 11:31
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 05/26/19 12:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 89 Batch: WG1241412-1					
Acenaphthene	ND		ug/l	2.0	0.44
Benzidine	ND		ug/l	20	1.8
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Azobenzene	ND		ug/l	2.0	0.37
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/02/19 11:31
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 05/26/19 12:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 89 Batch: WG1241412-1					
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
n-Nitrosodimethylamine	ND		ug/l	2.0	0.76
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/02/19 11:31
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 05/26/19 12:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 89 Batch: WG1241412-1					
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	98		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1241310-2 WG1241310-3								
Acenaphthene	53		67		31-137	23		50
Benzidine	26		34		10-66	27		50
1,2,4-Trichlorobenzene	56		68		38-107	19		50
Hexachlorobenzene	56		70		40-140	22		50
Bis(2-chloroethyl)ether	56		68		40-140	19		50
2-Chloronaphthalene	56		70		40-140	22		50
1,2-Dichlorobenzene	52		63		40-140	19		50
1,3-Dichlorobenzene	51		61		40-140	18		50
1,4-Dichlorobenzene	52		62		28-104	18		50
3,3'-Dichlorobenzidine	**36**	Q	53		40-140	38		50
2,4-Dinitrotoluene	64		81		40-132	23		50
2,6-Dinitrotoluene	66		84		40-140	24		50
Azobenzene	56		71		40-140	24		50
Fluoranthene	57		72		40-140	23		50
4-Chlorophenyl phenyl ether	54		69		40-140	24		50
4-Bromophenyl phenyl ether	56		72		40-140	25		50
Bis(2-chloroisopropyl)ether	53		64		40-140	19		50
Bis(2-chloroethoxy)methane	59		73		40-117	21		50
Hexachlorobutadiene	52		65		40-140	22		50
Hexachlorocyclopentadiene	47		58		40-140	21		50
Hexachloroethane	52		63		40-140	19		50
Isophorone	58		73		40-140	23		50
Naphthalene	53		65		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1241310-2 WG1241310-3								
Nitrobenzene	57		71		40-140	22		50
NDPA/DPA	57		71		36-157	22		50
n-Nitrosodi-n-propylamine	59		73		32-121	21		50
Bis(2-ethylhexyl)phthalate	56		71		40-140	24		50
Butyl benzyl phthalate	62		79		40-140	24		50
Di-n-butylphthalate	57		72		40-140	23		50
Di-n-octylphthalate	58		74		40-140	24		50
Diethyl phthalate	56		70		40-140	22		50
Dimethyl phthalate	59		75		40-140	24		50
Benzo(a)anthracene	56		70		40-140	22		50
Benzo(a)pyrene	57		72		40-140	23		50
Benzo(b)fluoranthene	57		71		40-140	22		50
Benzo(k)fluoranthene	55		71		40-140	25		50
Chrysene	53		67		40-140	23		50
Acenaphthylene	59		74		40-140	23		50
Anthracene	56		71		40-140	24		50
Benzo(ghi)perylene	55		70		40-140	24		50
Fluorene	55		69		40-140	23		50
Phenanthrene	54		68		40-140	23		50
Dibenzo(a,h)anthracene	59		75		40-140	24		50
Indeno(1,2,3-cd)pyrene	51		64		40-140	23		50
Pyrene	57		72		35-142	23		50
Biphenyl	59		73		54-104	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1241310-2 WG1241310-3								
4-Chloroaniline	50		61		40-140	20		50
2-Nitroaniline	63		82		47-134	26		50
3-Nitroaniline	46		56		26-129	20		50
4-Nitroaniline	58		74		41-125	24		50
Dibenzofuran	55		68		40-140	21		50
2-Methylnaphthalene	55		68		40-140	21		50
1,2,4,5-Tetrachlorobenzene	58		71		40-117	20		50
Acetophenone	59		72		14-144	20		50
n-Nitrosodimethylamine	53		63		22-100	17		50
2,4,6-Trichlorophenol	62		78		30-130	23		50
p-Chloro-m-cresol	60		76		26-103	24		50
2-Chlorophenol	56		70		25-102	22		50
2,4-Dichlorophenol	63		79		30-130	23		50
2,4-Dimethylphenol	63		79		30-130	23		50
2-Nitrophenol	62		79		30-130	24		50
4-Nitrophenol	61		78		11-114	24		50
2,4-Dinitrophenol	64		82		4-130	25		50
4,6-Dinitro-o-cresol	71		90		10-130	24		50
Pentachlorophenol	68		86		17-109	23		50
Phenol	60		74		26-90	21		50
2-Methylphenol	59		74		30-130.	23		50
3-Methylphenol/4-Methylphenol	59		74		30-130	23		50
2,4,5-Trichlorophenol	63		79		30-130	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1241310-2 WG1241310-3								
Benzoic Acid	49		62		10-110	23		50
Benzyl Alcohol	59		75		40-140	24		50
Carbazole	56		70		54-128	22		50
Atrazine	62		88		40-140	35		50
Benzaldehyde	57		71		40-140	22		50
Caprolactam	64		82		15-130	25		50
2,3,4,6-Tetrachlorophenol	59		76		40-140	25		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		70		25-120
Phenol-d6	51		71		10-120
Nitrobenzene-d5	55		75		23-120
2-Fluorobiphenyl	53		74		30-120
2,4,6-Tribromophenol	56		83		10-136
4-Terphenyl-d14	53		76		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241412-2 WG1241412-3								
Acenaphthene	83		87		37-111	5		30
Benzidine	**0**	Q	21		10-75	NC		30
1,2,4-Trichlorobenzene	79		81		39-98	3		30
Hexachlorobenzene	89		98		40-140	10		30
Bis(2-chloroethyl)ether	78		80		40-140	3		30
2-Chloronaphthalene	84		89		40-140	6		30
1,2-Dichlorobenzene	76		79		40-140	4		30
1,3-Dichlorobenzene	74		75		40-140	1		30
1,4-Dichlorobenzene	75		78		36-97	4		30
3,3'-Dichlorobenzidine	68		81		40-140	17		30
2,4-Dinitrotoluene	83		92		48-143	10		30
2,6-Dinitrotoluene	86		94		40-140	9		30
Azobenzene	86		93		40-140	8		30
Fluoranthene	89		96		40-140	8		30
4-Chlorophenyl phenyl ether	85		90		40-140	6		30
4-Bromophenyl phenyl ether	89		95		40-140	7		30
Bis(2-chloroisopropyl)ether	75		76		40-140	1		30
Bis(2-chloroethoxy)methane	84		85		40-140	1		30
Hexachlorobutadiene	76		80		40-140	5		30
Hexachlorocyclopentadiene	74		78		40-140	5		30
Hexachloroethane	73		78		40-140	7		30
Isophorone	88		88		40-140	0		30
Naphthalene	78		83		40-140	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241412-2 WG1241412-3								
Nitrobenzene	82		85		40-140	4		30
NDPA/DPA	87		95		40-140	9		30
n-Nitrosodi-n-propylamine	90		92		29-132	2		30
Bis(2-ethylhexyl)phthalate	91		98		40-140	7		30
Butyl benzyl phthalate	95		103		40-140	8		30
Di-n-butylphthalate	90		98		40-140	9		30
Di-n-octylphthalate	100		109		40-140	9		30
Diethyl phthalate	94		101		40-140	7		30
Dimethyl phthalate	92		100		40-140	8		30
Benzo(a)anthracene	88		96		40-140	9		30
Benzo(a)pyrene	86		94		40-140	9		30
Benzo(b)fluoranthene	93		102		40-140	9		30
Benzo(k)fluoranthene	90		98		40-140	9		30
Chrysene	84		90		40-140	7		30
Acenaphthylene	88		93		45-123	6		30
Anthracene	86		93		40-140	8		30
Benzo(ghi)perylene	91		99		40-140	8		30
Fluorene	86		91		40-140	6		30
Phenanthrene	83		92		40-140	10		30
Dibenzo(a,h)anthracene	91		100		40-140	9		30
Indeno(1,2,3-cd)pyrene	88		94		40-140	7		30
Pyrene	87		95		26-127	9		30
Biphenyl	86		91		40-140	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241412-2 WG1241412-3								
4-Chloroaniline	59		74		40-140	23		30
2-Nitroaniline	88		95		52-143	8		30
3-Nitroaniline	68		79		25-145	15		30
4-Nitroaniline	75		83		51-143	10		30
Dibenzofuran	82		89		40-140	8		30
2-Methylnaphthalene	82		86		40-140	5		30
1,2,4,5-Tetrachlorobenzene	81		85		2-134	5		30
Acetophenone	83		85		39-129	2		30
n-Nitrosodimethylamine	56		60		22-74	7		30
2,4,6-Trichlorophenol	82		90		30-130	9		30
p-Chloro-m-cresol	84		90		23-97	7		30
2-Chlorophenol	78		80		27-123	3		30
2,4-Dichlorophenol	85		89		30-130	5		30
2,4-Dimethylphenol	32		44		30-130	**32**	Q	30
2-Nitrophenol	88		90		30-130	2		30
4-Nitrophenol	69		77		10-80	11		30
2,4-Dinitrophenol	94		100		20-130	6		30
4,6-Dinitro-o-cresol	98		103		20-164	5		30
Pentachlorophenol	89		86		9-103	3		30
Phenol	55		57		12-110	4		30
2-Methylphenol	67		72		30-130	7		30
3-Methylphenol/4-Methylphenol	74		83		30-130	11		30
2,4,5-Trichlorophenol	86		94		30-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 89 Batch: WG1241412-2 WG1241412-3								
Benzoic Acid	70		64		10-164	9		30
Benzyl Alcohol	74		80		26-116	8		30
Carbazole	90		98		55-144	9		30
Atrazine	130		**144**	Q	40-140	10		30
Benzaldehyde	82		83		40-140	1		30
Caprolactam	45		48		10-130	6		30
2,3,4,6-Tetrachlorophenol	82		88		40-140	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		62		21-120
Phenol-d6	50		51		10-120
Nitrobenzene-d5	83		86		23-120
2-Fluorobiphenyl	82		90		15-120
2,4,6-Tribromophenol	84		95		10-120
4-Terphenyl-d14	89		97		41-149

PETROLEUM HYDROCARBONS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-01
Client ID: SB14_1-3
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/29/19 04:34
Analyst: LL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 05/26/19 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.4	25.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	100		40-140
o-Terphenyl	97		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-28
Client ID: SBDUP01_052319
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:05
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/29/19 05:03
Analyst: LL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 05/26/19 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.1	25.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	92		40-140
o-Terphenyl	95		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/28/19 15:40
Analyst: SC

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		ug/l	360	360.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	92		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 05/28/19 23:47
Analyst: LL

Extraction Method: EPA 3546
Extraction Date: 05/26/19 14:13

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01,28 Batch: WG1241429-1					
Total EPH	ND		mg/kg	23.2	23.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	99		40-140
o-Terphenyl	99		40-140

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 05/28/19 10:55
Analyst: SC

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 89 Batch: WG1241468-1					
Total EPH	ND		ug/l	360	360.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	88		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01,28 Batch: WG1241429-2 WG1241429-3								
Total EPH	102		108		40-140	6		25
Nonane (C9)	75		82		40-140	9		25
Decane (C10)	83		89		40-140	7		25
Dodecane (C12)	84		91		40-140	8		25
Tetradecane (C14)	89		93		40-140	4		25
Hexadecane (C16)	94		97		40-140	3		25
Octadecane (C18)	99		103		40-140	4		25
Eicosane (C20)	98		103		40-140	5		25
Heneicosane (C21)	98		103		40-140	5		25
Docosane (C22)	98		102		40-140	4		25
Tetracosane (C24)	98		103		40-140	5		25
Hexacosane (C26)	98		102		40-140	4		25
Octacosane (C28)	96		101		40-140	5		25
Triacontane (C30)	96		100		40-140	4		25
Dotriacontane (C32)	97		101		40-140	4		25
Tetratriacontane (C34)	95		99		40-140	4		25
Hexatriacontane (C36)	102		104		40-140	2		25
Octatriacontane (C38)	100		104		40-140	4		25
Tetracontane (C40)	103		107		40-140	4		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 01,28		Batch: WG1241429-2		WG1241429-3			

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	95		100		40-140
o-Terphenyl	94		99		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 89 Batch: WG1241468-2 WG1241468-3								
Total EPH	100		98		40-140	2		25
Nonane (C9)	70		61		40-140	14		25
Decane (C10)	80		70		40-140	13		25
Dodecane (C12)	82		73		40-140	12		25
Tetradecane (C14)	82		79		40-140	4		25
Hexadecane (C16)	88		89		40-140	1		25
Octadecane (C18)	95		96		40-140	1		25
Eicosane (C20)	95		95		40-140	0		25
Heneicosane (C21)	95		96		40-140	1		25
Docosane (C22)	96		96		40-140	0		25
Tetracosane (C24)	93		94		40-140	1		25
Hexacosane (C26)	97		98		40-140	1		25
Octacosane (C28)	98		99		40-140	1		25
Triacontane (C30)	102		103		40-140	1		25
Dotriacontane (C32)	104		104		40-140	0		25
Tetratriacontane (C34)	102		101		40-140	1		25
Hexatriacontane (C36)	103		100		40-140	3		25
Octatriacontane (C38)	102		99		40-140	3		25
Tetracontane (C40)	99		94		40-140	5		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 89 Batch: WG1241468-2 WG1241468-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	92		91		40-140
o-Terphenyl	92		92		40-140

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 89 QC Batch ID: WG1241468-4 QC Sample: L1900029-60 Client ID: MS Sample												
Total EPH	ND	3600	3710	103		-	-		40-140	-		50
Nonane (C9)	ND	100	69.8	70		-	-		40-140	-		50
Decane (C10)	ND	100	80.9	81		-	-		40-140	-		50
Dodecane (C12)	ND	100	85.1	85		-	-		40-140	-		50
Tetradecane (C14)	ND	100	87.5	88		-	-		40-140	-		50
Hexadecane (C16)	ND	100	91.7	92		-	-		40-140	-		50
Octadecane (C18)	ND	100	96.6	97		-	-		40-140	-		50
Eicosane (C20)	ND	100	96.1	96		-	-		40-140	-		50
Heneicosane (C21)	ND	100	96.4	96		-	-		40-140	-		50
Docosane (C22)	ND	100	96.7	97		-	-		40-140	-		50
Tetracosane (C24)	ND	100	94.7	95		-	-		40-140	-		50
Hexacosane (C26)	ND	100	98.3	98		-	-		40-140	-		50
Octacosane (C28)	ND	100	99.3	99		-	-		40-140	-		50
Triacontane (C30)	ND	100	104	104		-	-		40-140	-		50
Dotriacontane (C32)	ND	100	106	106		-	-		40-140	-		50
Tetratriacontane (C34)	ND	100	104	104		-	-		40-140	-		50
Hexatriacontane (C36)	ND	100	105	105		-	-		40-140	-		50
Octatriacontane (C38)	ND	100	106	106		-	-		40-140	-		50
Tetracontane (C40)	ND	100	104	104		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	90				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 89 QC Batch ID: WG1241468-4 QC Sample: L1900029-60 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	93				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01,28 QC Batch ID: WG1241429-5 QC Sample: L1921787-01 Client ID: DUP Sample						
Total EPH	6610	5770	mg/kg	14		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	79		70		40-140
o-Terphenyl	78		74		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 89 QC Batch ID: WG1241468-5 QC Sample: L1900029-60 Client ID: DUP Sample						
Total EPH	ND	ND	ug/l	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		74		40-140
o-Terphenyl	92		87		40-140

PCBS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/19 08:57
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/30/19 08:30
Cleanup Method: EPA 3665A
Cleanup Date: 05/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.78	1	A
Aroclor 1242	ND		ug/kg	36.7	4.95	1	A
Aroclor 1248	ND		ug/kg	36.7	5.51	1	A
Aroclor 1254	ND		ug/kg	36.7	4.02	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/29/19 01:39
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 05/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/28/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/29/19 05:25
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 07:59
Cleanup Method: EPA 3665A
Cleanup Date: 05/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/28/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 89 Batch: WG1241488-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/30/19 12:13
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 05/30/19 04:44
Cleanup Method: EPA 3665A
Cleanup Date: 05/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1242477-1						
Aroclor 1016	ND		ug/kg	31.8	2.83	A
Aroclor 1221	ND		ug/kg	31.8	3.19	A
Aroclor 1232	ND		ug/kg	31.8	6.75	A
Aroclor 1242	ND		ug/kg	31.8	4.29	A
Aroclor 1248	ND		ug/kg	31.8	4.78	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.88	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.30	A
PCBs, Total	ND		ug/kg	31.8	2.83	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	56		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 89 Batch: WG1241488-2 WG1241488-3									
Aroclor 1016	72		75		40-140	4		50	A
Aroclor 1260	69		70		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		73		30-150	A
Decachlorobiphenyl	88		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		72		30-150	B
Decachlorobiphenyl	89		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1242477-2 WG1242477-3									
Aroclor 1016	88		96		40-140	9		50	A
Aroclor 1260	83		82		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		76		30-150	A
Decachlorobiphenyl	63		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		67		30-150	B
Decachlorobiphenyl	61		62		30-150	B

PESTICIDES

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/29/19 14:05
Analyst: KEG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/26/19 11:17
Cleanup Method: EPA 3620B
Cleanup Date: 05/27/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.733	0.328	1	A
Alpha-BHC	ND		ug/kg	0.733	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.880	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.990	1	A
Endrin	ND		ug/kg	0.733	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.770	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.628	1	A
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.733	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.24	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.581	1	A
Chlordane	ND		ug/kg	14.3	5.83	1	A

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY
Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/29/19 08:03
Analyst: DGM
Percent Solids: 89%
Methylation Date: 05/27/19 02:00

Extraction Method: EPA 8151A
Extraction Date: 05/26/19 01:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.67	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	81		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/28/19 20:30
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 08:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89 Date Collected: 05/23/19 15:00

Client ID: FIELD BLANK Date Received: 05/23/19

Sample Location: QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/29/19 09:18
Analyst: DGM

Extraction Method: EPA 8151A
Extraction Date: 05/27/19 05:46

Methylation Date: 05/27/19 15:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	77		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/28/19 13:42
Analyst: AMC

Extraction Method: EPA 8151A
Extraction Date: 05/25/19 01:32

Methylation Date: 05/25/19 18:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07 Batch: WG1241157-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	84		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/29/19 11:18
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 05/25/19 15:23
Cleanup Method: EPA 3620B
Cleanup Date: 05/26/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1241334-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.962	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.08	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/29/19 11:18
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 05/25/19 15:23
Cleanup Method: EPA 3620B
Cleanup Date: 05/26/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1241334-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/29/19 08:22
Analyst: DGM

Extraction Method: EPA 8151A
Extraction Date: 05/27/19 05:46

Methylation Date: 05/27/19 15:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 89 Batch: WG1241481-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	85		30-150	B

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/28/19 19:52
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 08:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 89 Batch: WG1241491-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/28/19 19:52
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 05/27/19 08:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 89 Batch: WG1241491-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	109		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1241157-2 WG1241157-3									
2,4-D	84		90		30-150	7		30	A
2,4,5-T	76		84		30-150	10		30	A
2,4,5-TP (Silvex)	80		87		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		92		30-150	A
DCAA	84		94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1241334-2 WG1241334-3									
Delta-BHC	89		90		30-150	1		30	A
Lindane	87		89		30-150	2		30	A
Alpha-BHC	92		95		30-150	3		30	A
Beta-BHC	86		87		30-150	1		30	A
Heptachlor	81		82		30-150	1		30	A
Aldrin	91		93		30-150	2		30	A
Heptachlor epoxide	92		92		30-150	0		30	A
Endrin	97		96		30-150	1		30	A
Endrin aldehyde	76		72		30-150	5		30	A
Endrin ketone	83		80		30-150	4		30	A
Dieldrin	96		95		30-150	1		30	A
4,4'-DDE	101		100		30-150	1		30	A
4,4'-DDD	89		86		30-150	3		30	A
4,4'-DDT	94		89		30-150	5		30	A
Endosulfan I	84		85		30-150	1		30	A
Endosulfan II	84		82		30-150	2		30	A
Endosulfan sulfate	69		66		30-150	4		30	A
Methoxychlor	82		77		30-150	6		30	A
cis-Chlordane	82		82		30-150	0		30	A
trans-Chlordane	79		78		30-150	1		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1241334-2 WG1241334-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		67		30-150	B
Decachlorobiphenyl	81		78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150	A
Decachlorobiphenyl	93		89		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 89 Batch: WG1241481-2 WG1241481-3									
2,4-D	113		114		30-150	1		25	A
2,4,5-T	117		114		30-150	3		25	A
2,4,5-TP (Silvex)	118		116		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	98		94		30-150	A
DCAA	91		90		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 89 Batch: WG1241491-2 WG1241491-3									
Delta-BHC	71		67		30-150	5		20	A
Lindane	79		76		30-150	4		20	A
Alpha-BHC	83		80		30-150	3		20	A
Beta-BHC	80		76		30-150	6		20	A
Heptachlor	74		71		30-150	5		20	A
Aldrin	82		77		30-150	7		20	A
Heptachlor epoxide	87		82		30-150	5		20	A
Endrin	88		83		30-150	6		20	A
Endrin aldehyde	87		79		30-150	10		20	A
Endrin ketone	94		90		30-150	5		20	A
Dieldrin	91		87		30-150	4		20	A
4,4'-DDE	94		90		30-150	5		20	A
4,4'-DDD	86		81		30-150	6		20	A
4,4'-DDT	94		88		30-150	6		20	A
Endosulfan I	81		77		30-150	5		20	A
Endosulfan II	83		79		30-150	5		20	A
Endosulfan sulfate	85		79		30-150	8		20	A
Methoxychlor	92		84		30-150	9		20	A
cis-Chlordane	78		76		30-150	2		20	A
trans-Chlordane	81		76		30-150	5		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 89 Batch: WG1241491-2 WG1241491-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		83		30-150	A
Decachlorobiphenyl	110		112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		66		30-150	B
Decachlorobiphenyl	90		94		30-150	B

METALS

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY
Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 05/24/19 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/30/19 17:36	05/30/19 20:48	EPA 3015	1,6010D	AB
Barium, TCLP	0.290	J	mg/l	0.500	0.021	1	05/30/19 17:36	05/30/19 20:48	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/30/19 17:36	05/30/19 20:48	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/30/19 17:36	05/30/19 20:48	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	05/30/19 17:36	05/30/19 20:48	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	05/30/19 13:24	05/30/19 19:08	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/30/19 17:36	05/30/19 20:48	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/30/19 17:36	05/30/19 20:48	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY
Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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	8970		mg/kg	8.53	2.30	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Antimony, Total	1.99	J	mg/kg	4.26	0.324	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Arsenic, Total	2.96		mg/kg	0.853	0.177	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Barium, Total	34.0		mg/kg	0.853	0.148	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Beryllium, Total	0.409	J	mg/kg	0.426	0.028	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Cadmium, Total	0.384	J	mg/kg	0.853	0.084	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Calcium, Total	4960		mg/kg	8.53	2.98	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Chromium, Total	13.5		mg/kg	0.853	0.082	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Cobalt, Total	6.50		mg/kg	1.71	0.142	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Copper, Total	12.5		mg/kg	0.853	0.220	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Iron, Total	13400		mg/kg	4.26	0.770	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Lead, Total	13.0		mg/kg	4.26	0.229	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Magnesium, Total	2330		mg/kg	8.53	1.31	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Manganese, Total	310		mg/kg	0.853	0.136	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.071	0.046	1	05/30/19 09:30	05/30/19 15:39	EPA 7471B	1,7471B	GD
Nickel, Total	13.2		mg/kg	2.13	0.206	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Potassium, Total	560		mg/kg	213	12.3	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Selenium, Total	0.282	J	mg/kg	1.71	0.220	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.853	0.241	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Sodium, Total	116	J	mg/kg	171	2.69	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.71	0.269	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Vanadium, Total	20.7		mg/kg	0.853	0.173	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
Zinc, Total	29.4		mg/kg	4.26	0.250	2	05/30/19 16:40	05/31/19 10:39	EPA 3050B	1,6010D	LC
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	0.90	0.90	1		05/31/19 10:39	NA	107,-	

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-08
Client ID: SP-2A_0-2
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/23/19 09:50
Date Received: 05/23/19
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 05/24/19 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.276	J	mg/l	0.500	0.027	1	05/30/19 17:36	05/30/19 21:06	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-09
Client ID: SP-2A_2-4
Sample Location: QUEENS, NY
Date Collected: 05/23/19 09:55
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.199	J	mg/kg	2.43	0.185	1	05/29/19 14:55	05/30/19 23:30	EPA 3050B	1,6010D	AB
Lead, Total	3.00		mg/kg	2.43	0.130	1	05/29/19 14:55	05/30/19 23:30	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-12
Client ID: SP-2.1_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 10:10
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Antimony, Total	0.896	J	mg/kg	2.11	0.160	1	05/29/19 14:55	05/30/19 23:47	EPA 3050B	1,6010D	AB
Lead, Total	91.7		mg/kg	2.11	0.113	1	05/29/19 14:55	05/30/19 23:47	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-16
Client ID: SP-2.2_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 10:30
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Antimony, Total	0.480	J	mg/kg	2.16	0.164	1	05/29/19 14:55	05/30/19 23:51	EPA 3050B	1,6010D	AB
Lead, Total	166		mg/kg	2.16	0.116	1	05/29/19 14:55	05/30/19 23:51	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-20
Client ID: SP-2.3_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 11:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Antimony, Total	0.913	J	mg/kg	2.15	0.164	1	05/29/19 14:55	05/30/19 23:55	EPA 3050B	1,6010D	AB
Lead, Total	38.4		mg/kg	2.15	0.115	1	05/29/19 14:55	05/30/19 23:55	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-24
Client ID: SP-2.4_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 11:10
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Antimony, Total	1.27	J	mg/kg	2.14	0.163	1	06/05/19 11:00	06/05/19 13:29	EPA 3050B	1,6010D	LC
Lead, Total	203		mg/kg	2.14	0.115	1	06/05/19 11:00	06/05/19 13:29	EPA 3050B	1,6010D	LC

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-37
Client ID: SP-2.7_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 12:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Antimony, Total	1.32	J	mg/kg	2.13	0.162	1	06/05/19 11:00	06/05/19 13:46	EPA 3050B	1,6010D	LC
Lead, Total	495		mg/kg	2.13	0.114	1	06/05/19 11:00	06/05/19 13:46	EPA 3050B	1,6010D	LC

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-49
Client ID: SP-9A_0-2
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/23/19 13:00
Date Received: 05/23/19
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 05/24/19 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	05/30/19 17:36	05/30/19 21:10	EPA 3015	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-50
Client ID: SP-9A_2-4
Sample Location: QUEENS, NY
Date Collected: 05/23/19 13:01
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	2.03		mg/kg	1.96	0.105	1	05/29/19 14:55	05/30/19 23:59	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-53
Client ID: SP-9.4_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 13:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	24.7		mg/kg	2.11	0.113	1	06/05/19 11:00	06/05/19 14:16	EPA 3050B	1,6010D	LC

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-65
Client ID: SP-9.7_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 14:04
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	2.78		mg/kg	2.06	0.110	1	06/05/19 11:00	06/05/19 14:21	EPA 3050B	1,6010D	LC

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-77
Client ID: SP-9.1_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 14:50
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	26.1		mg/kg	2.11	0.113	1	05/29/19 14:55	05/31/19 00:03	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-81
Client ID: SP-9.2_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 15:20
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	230		mg/kg	1.99	0.107	1	05/29/19 14:55	05/31/19 00:08	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Lab Number: L1921978
Project Number: 170512301
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-85
Client ID: SP-9.3_0-2
Sample Location: QUEENS, NY
Date Collected: 05/23/19 15:30
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
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											
Lead, Total	66.2		mg/kg	2.04	0.109	1	05/29/19 14:55	05/31/19 00:12	EPA 3050B	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY
Sample Depth:
Matrix: Water

Date Collected: 05/23/19 15:00
Date Received: 05/23/19
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	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Antimony, Total	0.014	J	mg/l	0.050	0.007	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Arsenic, Total	0.003	J	mg/l	0.005	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Barium, Total	ND		mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Calcium, Total	ND		mg/l	0.100	0.035	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Copper, Total	ND		mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Iron, Total	ND		mg/l	0.050	0.009	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Lead, Total	ND		mg/l	0.010	0.003	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Magnesium, Total	ND		mg/l	0.100	0.015	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Manganese, Total	ND		mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/29/19 11:16	05/29/19 14:54	EPA 7470A	1,7470A	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Potassium, Total	ND		mg/l	2.50	0.237	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Silver, Total	ND		mg/l	0.007	0.003	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Sodium, Total	ND		mg/l	2.00	0.120	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Thallium, Total	ND		mg/l	0.020	0.003	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	05/30/19 09:20	05/30/19 13:05	EPA 3005A	1,6010D	LC
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/30/19 13:05	NA	107,-	

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

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): 89 Batch: WG1242199-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/29/19 11:16	05/29/19 14:06	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09,12,16,20,50,77,81,85 Batch: WG1242256-1										
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/29/19 14:55	05/30/19 22:06	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	05/29/19 14:55	05/30/19 22:06	1,6010D	AB

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): 07 Batch: WG1242473-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/30/19 09:30	05/30/19 15:24	1,7471B	GD

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): 89 Batch: WG1242630-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Arsenic, Total	0.003	J	mg/l	0.005	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Barium, Total	ND		mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC

Project Name: 37-11 30TH STREET **Lab Number:** L1921978

Project Number: 170512301 **Report Date:** 06/19/19

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND	mg/l	0.005	0.001	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Cadmium, Total	ND	mg/l	0.005	0.001	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Calcium, Total	ND	mg/l	0.100	0.035	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Chromium, Total	ND	mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Cobalt, Total	ND	mg/l	0.020	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Copper, Total	ND	mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Iron, Total	ND	mg/l	0.050	0.009	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Lead, Total	ND	mg/l	0.010	0.003	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Magnesium, Total	ND	mg/l	0.100	0.015	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Manganese, Total	ND	mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Nickel, Total	ND	mg/l	0.025	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Potassium, Total	ND	mg/l	2.50	0.237	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Selenium, Total	ND	mg/l	0.010	0.004	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Silver, Total	ND	mg/l	0.007	0.003	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Sodium, Total	ND	mg/l	2.00	0.120	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Thallium, Total	ND	mg/l	0.020	0.003	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Vanadium, Total	ND	mg/l	0.010	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC
Zinc, Total	ND	mg/l	0.050	0.002	1	05/30/19 09:20	05/30/19 12:56	1,6010D	LC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07 Batch: WG1242729-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	05/30/19 13:24	05/30/19 19:04	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 05/24/19 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1242784-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Antimony, Total	ND	mg/kg	2.00	0.152	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Arsenic, Total	ND	mg/kg	0.400	0.083	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Barium, Total	ND	mg/kg	0.400	0.070	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Beryllium, Total	ND	mg/kg	0.200	0.013	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Cadmium, Total	ND	mg/kg	0.400	0.039	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Calcium, Total	ND	mg/kg	4.00	1.40	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Chromium, Total	ND	mg/kg	0.400	0.038	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Cobalt, Total	ND	mg/kg	0.800	0.066	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Copper, Total	ND	mg/kg	0.400	0.103	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Iron, Total	ND	mg/kg	2.00	0.361	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Lead, Total	ND	mg/kg	2.00	0.107	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Magnesium, Total	ND	mg/kg	4.00	0.616	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Manganese, Total	ND	mg/kg	0.400	0.064	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Nickel, Total	ND	mg/kg	1.00	0.097	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Potassium, Total	ND	mg/kg	100	5.76	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Selenium, Total	ND	mg/kg	0.800	0.103	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Silver, Total	ND	mg/kg	0.400	0.113	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Sodium, Total	ND	mg/kg	80.0	1.26	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Thallium, Total	ND	mg/kg	0.800	0.126	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Vanadium, Total	ND	mg/kg	0.400	0.081	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC
Zinc, Total	ND	mg/kg	2.00	0.117	1	05/30/19 16:40	05/31/19 10:12	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07-08,49 Batch: WG1242814-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/30/19 17:36	05/30/19 20:07	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	05/30/19 17:36	05/30/19 20:07	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/30/19 17:36	05/30/19 20:07	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/30/19 17:36	05/30/19 20:07	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	05/30/19 17:36	05/30/19 20:07	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/30/19 17:36	05/30/19 20:07	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/30/19 17:36	05/30/19 20:07	1,6010D	AB

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 05/24/19 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 24,37,53,65 Batch: WG1244772-1										
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/05/19 11:00	06/05/19 13:12	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	06/05/19 11:00	06/05/19 13:12	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 89 Batch: WG1242199-2								
Mercury, Total	100		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 09,12,16,20,50,77,81,85 Batch: WG1242256-2 SRM Lot Number: D101-540								
Antimony, Total	161		-		3-196	-		
Lead, Total	99		-		83-117	-		
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1242473-2 SRM Lot Number: D105-540								
Mercury, Total	97		-		60-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 89 Batch: WG1242630-2					
Aluminum, Total	109	-	80-120	-	
Antimony, Total	93	-	80-120	-	
Arsenic, Total	116	-	80-120	-	
Barium, Total	107	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	109	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	108	-	80-120	-	
Magnesium, Total	108	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	113	-	80-120	-	
Silver, Total	108	-	80-120	-	
Sodium, Total	108	-	80-120	-	
Thallium, Total	108	-	80-120	-	
Vanadium, Total	107	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 89 Batch: WG1242630-2					
Zinc, Total	110	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 Batch: WG1242729-2					
Mercury, TCLP	94	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1242784-2 SRM Lot Number: D105-540					
Aluminum, Total	66	-	51-149	-	
Antimony, Total	159	-	19-249	-	
Arsenic, Total	105	-	70-130	-	
Barium, Total	90	-	75-125	-	
Beryllium, Total	94	-	75-125	-	
Cadmium, Total	97	-	75-125	-	
Calcium, Total	90	-	73-127	-	
Chromium, Total	92	-	70-130	-	
Cobalt, Total	96	-	75-125	-	
Copper, Total	96	-	75-125	-	
Iron, Total	89	-	38-162	-	
Lead, Total	96	-	71-128	-	
Magnesium, Total	82	-	63-137	-	
Manganese, Total	89	-	76-124	-	
Nickel, Total	99	-	70-131	-	
Potassium, Total	80	-	60-140	-	
Selenium, Total	101	-	63-137	-	
Silver, Total	95	-	69-131	-	
Sodium, Total	93	-	37-162	-	
Thallium, Total	96	-	68-132	-	
Vanadium, Total	96	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1242784-2 SRM Lot Number: D105-540					
Zinc, Total	96	-	70-130	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-08,49 Batch: WG1242814-2					
Arsenic, TCLP	109	-	75-125	-	20
Barium, TCLP	97	-	75-125	-	20
Cadmium, TCLP	104	-	75-125	-	20
Chromium, TCLP	95	-	75-125	-	20
Lead, TCLP	97	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	97	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 24,37,53,65 Batch: WG1244772-2 SRM Lot Number: D105-540					
Antimony, Total	147	-	19-249	-	
Lead, Total	86	-	71-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

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): 89 QC Batch ID: WG1242199-3 WG1242199-4 QC Sample: L1921805-05 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00450	90		0.00421	84		75-125	7		20
Total Metals - Mansfield Lab Associated sample(s): 09,12,16,20,50,77,81,85 QC Batch ID: WG1242256-3 QC Sample: L1921858-03 Client ID: MS Sample												
Antimony, Total	ND	45.9	40.5	88		-	-		75-125	-		20
Lead, Total	112	46.8	90.4	**0**	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1242473-3 QC Sample: L1922058-01 Client ID: MS Sample												
Mercury, Total	ND	0.126	0.096	**76**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

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): 89 QC Batch ID: WG1242630-3 QC Sample: L1921978-89 Client ID: FIELD BLANK									
Aluminum, Total	ND	2	2.17	108	-	-	75-125	-	20
Antimony, Total	0.014J	0.5	0.480	96	-	-	75-125	-	20
Arsenic, Total	0.003J	0.12	0.136	113	-	-	75-125	-	20
Barium, Total	ND	2	2.12	106	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.053	106	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.055	107	-	-	75-125	-	20
Calcium, Total	ND	10	10.2	102	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.203	102	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.514	103	-	-	75-125	-	20
Copper, Total	ND	0.25	0.261	104	-	-	75-125	-	20
Iron, Total	ND	1	1.09	109	-	-	75-125	-	20
Lead, Total	ND	0.51	0.543	106	-	-	75-125	-	20
Magnesium, Total	ND	10	10.8	108	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.499	100	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.516	103	-	-	75-125	-	20
Potassium, Total	ND	10	10.7	107	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.132	110	-	-	75-125	-	20
Silver, Total	ND	0.05	0.053	106	-	-	75-125	-	20
Sodium, Total	ND	10	10.8	108	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.128	107	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.526	105	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

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): 89 QC Batch ID: WG1242630-3 QC Sample: L1921978-89 Client ID: FIELD BLANK									
Zinc, Total	ND	0.5	0.543	109	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1242729-3 QC Sample: L1921978-07 Client ID: WC07_COMP_0-6									
Mercury, TCLP	ND	0.025	0.0232	93	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

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): 07 QC Batch ID: WG1242784-3 WG1242784-4 QC Sample: L1922150-07 Client ID: MS Sample												
Aluminum, Total	3200	165	3490	**176**	Q	3360	97		75-125	4		20
Antimony, Total	0.798J	41.2	38.5	93		39.1	95		75-125	2		20
Arsenic, Total	1.38	9.9	11.1	98		11.8	105		75-125	6		20
Barium, Total	25.8	165	183	95		184	96		75-125	1		20
Beryllium, Total	0.224J	4.12	4.17	101		4.22	102		75-125	1		20
Cadmium, Total	0.375J	4.21	4.40	104		4.53	108		75-125	3		20
Calcium, Total	1090	825	1520	**52**	Q	1710	75		75-125	12		20
Chromium, Total	8.77	16.5	22.7	84		23.5	89		75-125	3		20
Cobalt, Total	3.49	41.2	43.8	98		41.0	91		75-125	7		20
Copper, Total	8.78	20.6	29.7	101		31.5	110		75-125	6		20
Iron, Total	12400	82.5	13300	**1090**	Q	13700	**1580**	Q	75-125	3		20
Lead, Total	11.9	42.1	49.5	89		53.3	98		75-125	7		20
Magnesium, Total	1220	825	1840	75		1690	**57**	Q	75-125	8		20
Manganese, Total	247	41.2	600	**856**	Q	257	**24**	Q	75-125	**80**	Q	20
Nickel, Total	7.35	41.2	44.2	89		45.4	92		75-125	3		20
Potassium, Total	300	825	1070	93		1020	87		75-125	5		20
Selenium, Total	0.240J	9.9	9.44	95		9.53	96		75-125	1		20
Silver, Total	ND	24.7	24.4	98		24.7	100		75-125	1		20
Sodium, Total	58.9J	825	865	105		886	107		75-125	2		20
Thallium, Total	ND	9.9	8.50	86		8.62	87		75-125	1		20
Vanadium, Total	20.0	41.2	53.2	80		52.4	78		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

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): 07 QC Batch ID: WG1242784-3 WG1242784-4 QC Sample: L1922150-07 Client ID: MS Sample											
Zinc, Total	25.1	41.2	61.2	88		76.1	124	75-125	**22**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-08,49 QC Batch ID: WG1242814-3 QC Sample: L1921832-04 Client ID: MS Sample											
Arsenic, TCLP	ND	1.2	1.32	110		-	-	75-125	-		20
Barium, TCLP	1.91	20	21.2	96		-	-	75-125	-		20
Cadmium, TCLP	0.197	0.51	0.718	102		-	-	75-125	-		20
Chromium, TCLP	ND	2	1.92	96		-	-	75-125	-		20
Lead, TCLP	6.85	5.1	11.7	95		-	-	75-125	-		20
Selenium, TCLP	ND	1.2	1.31	109		-	-	75-125	-		20
Silver, TCLP	ND	0.5	0.497	99		-	-	75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 24,37,53,65 QC Batch ID: WG1244772-3 QC Sample: L1921978-24 Client ID: SP-2.4_0-2											
Antimony, Total	1.27J	42.6	34.8	82		-	-	75-125	-		20
Lead, Total	203	43.4	234	**71**	Q	-	-	75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09,12,16,20,50,77,81,85 QC Batch ID: WG1242256-4 QC Sample: L1921858-03 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/kg	NC		20
Lead, Total	112	36.8	mg/kg	**101**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1242473-4 QC Sample: L1922058-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 89 QC Batch ID: WG1242630-4 QC Sample: L1921978-89 Client ID: FIELD BLANK					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	0.014J	0.014J	mg/l	NC	20
Arsenic, Total	0.003J	0.003J	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	ND	0.092J	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	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	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 89 QC Batch ID: WG1242630-4 QC Sample: L1921978-89 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
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1242729-4 QC Sample: L1921978-07 Client ID: WC07_COMP_0-6						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-08,49 QC Batch ID: WG1242814-4 QC Sample: L1921832-04 Client ID: DUP Sample						
Lead, TCLP	6.85	6.99	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 24,37,53,65 QC Batch ID: WG1244772-4 QC Sample: L1921978-24 Client ID: SP-2.4_0-2						
Antimony, Total	1.27J	1.40J	mg/kg	NC		20
Lead, Total	203	358	mg/kg	**55**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	05/28/19 10:20	1,1030	BR

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-01
Client ID: SB14_1-3
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-07
Client ID: WC07_COMP_0-6
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	05/30/19 12:35	05/30/19 15:23	1,9010C/9012B	LH
pH (H)	7.5		SU	-	NA	1	-	05/24/19 18:42	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.903	0.180	1	05/29/19 18:10	05/30/19 15:18	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	05/25/19 11:24	05/25/19 12:52	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	05/25/19 11:24	05/25/19 12:27	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	05/28/19 17:11	1,9095B	AS

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-09
Client ID: SP-2A_2-4
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:55
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-12
Client ID: SP-2.1_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 10:10
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-16
Client ID: SP-2.2_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 10:30
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-20
Client ID: SP-2.3_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 11:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-24
Client ID: SP-2.4_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 11:10
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	06/05/19 01:21	121,2540G	YA

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-28
Client ID: SBDUP01_052319
Sample Location: QUEENS, NY

Date Collected: 05/23/19 09:05
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-37
Client ID: SP-2.7_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 12:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

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	-	06/05/19 01:21	121,2540G	YA

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-50
Client ID: SP-9A_2-4
Sample Location: QUEENS, NY

Date Collected: 05/23/19 13:01
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-53
Client ID: SP-9.4_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 13:15
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	06/05/19 01:21	121,2540G	YA

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-65
Client ID: SP-9.7_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 14:04
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.3		%	0.100	NA	1	-	06/05/19 01:21	121,2540G	YA

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-77
Client ID: SP-9.1_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 14:50
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-81
Client ID: SP-9.2_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:20
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-85
Client ID: SP-9.3_0-2
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:30
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.8		%	0.100	NA	1	-	05/24/19 13:53	121,2540G	RI

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1921978-89
Client ID: FIELD BLANK
Sample Location: QUEENS, NY

Date Collected: 05/23/19 15:00
Date Received: 05/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	05/27/19 18:05	05/28/19 14:17	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/24/19 13:55	05/24/19 14:13	1,7196A	LH

Project Name: 37-11 30TH STREET
Project Number: 170512301
Lab Number: L1921978
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 89 Batch: WG1241001-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/24/19 13:55	05/24/19 14:12	1,7196A	LH
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1241093-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	05/25/19 11:24	05/25/19 12:21	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1241094-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	05/25/19 11:24	05/25/19 12:47	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 89 Batch: WG1241564-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/27/19 15:30	05/28/19 12:56	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1242423-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/29/19 18:10	05/30/19 15:18	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1242655-1										
Cyanide, Total	ND		mg/kg	0.84	0.18	1	05/30/19 12:35	05/30/19 14:54	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37-11 30TH STREET

Project Number: 170512301

Lab Number: L1921978

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 89 Batch: WG1241001-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1241093-2								
Sulfide, Reactive	77		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1241094-2								
Cyanide, Reactive	67		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1241098-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 89 Batch: WG1241564-2 WG1241564-3								
Cyanide, Total	92		97		85-115	5		20
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1242423-2								
Chromium, Hexavalent	84		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1242655-2 WG1242655-3								
Cyanide, Total	**70**	Q	82		80-120	25		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 89 QC Batch ID: WG1241001-4 QC Sample: L1921978-89 Client ID: FIELD BLANK												
Chromium, Hexavalent	ND	0.1	0.099	99		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 89 QC Batch ID: WG1241564-4 WG1241564-5 QC Sample: L1922034-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.198	99		0.190	95		80-120	4		20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1242423-4 QC Sample: L1921978-07 Client ID: WC07_COMP_0-6												
Chromium, Hexavalent	ND	1180	1150	97		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1242655-4 WG1242655-5 QC Sample: L1921978-07 Client ID: WC07_COMP_0-6												
Cyanide, Total	ND	11	12	110		10	95		75-125	18		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,07,09,12,16,20,28,50,77,81,85 QC Batch ID: WG1240998-1 QC Sample: L1921978-16 Client ID: SP-2.2_0-2						
Solids, Total	91.9	92.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 89 QC Batch ID: WG1241001-3 QC Sample: L1921978-89 Client ID: FIELD BLANK						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1241093-3 QC Sample: L1921504-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1241094-3 QC Sample: L1921504-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1241098-2 QC Sample: L1921796-01 Client ID: DUP Sample						
pH	6.1	6.2	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1242423-6 QC Sample: L1921978-07 Client ID: WC07_COMP_0-6						
Chromium, Hexavalent	ND	0.214J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 24,37,53,65 QC Batch ID: WG1244586-1 QC Sample: L1923525-04 Client ID: DUP Sample						
Solids, Total	84.9	84.8	%	0		20

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921978-01A	Vial MeOH preserved	E	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1921978-01B	Vial water preserved	E	NA		3.2	Y	Absent	24-MAY-19 14:13	NYTCL-8260HLW(14)
L1921978-01C	Vial water preserved	E	NA		3.2	Y	Absent	24-MAY-19 14:13	NYTCL-8260HLW(14)
L1921978-01D	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		TS(7)
L1921978-01E	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1921978-02A	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-03A	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-04A	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-05A	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-06A	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-07A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		TS(7)
L1921978-07B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		-
L1921978-07C	Glass 120ml/4oz unpreserved	E	NA		3.2	Y	Absent		BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),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)
L1921978-07D	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		IGNIT-1030(14),REACTS(14),TCN-9010(14),HERB-APA(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921978-07E	Glass 500ml/16oz unpreserved	E	NA		3.2	Y	Absent		IGNIT-1030(14),REACTS(14),TCN-9010(14),HERB-APA(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1921978-07F	Glass 500ml/16oz unpreserved	E	NA		3.2	Y	Absent		IGNIT-1030(14),REACTS(14),TCN-9010(14),HERB-APA(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1921978-07G	Glass 120ml/4oz unpreserved	E	NA		3.2	Y	Absent		IGNIT-1030(14),REACTS(14),TCN-9010(14),HERB-APA(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1921978-07H	Vial Large Septa unpreserved (4oz)	E	NA		3.2	Y	Absent		NYTCL-8270(14)
L1921978-07X	Plastic 120ml HNO3 preserved Extracts	E	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1921978-07X9	Tumble Vessel	E	NA		3.2	Y	Absent		-
L1921978-08A	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		-
L1921978-08X	Plastic 120ml HNO3 preserved Extracts	E	NA		3.2	Y	Absent		PB-CI(180)
L1921978-08X9	Tumble Vessel	E	NA		3.2	Y	Absent		-
L1921978-09A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		TS(7)
L1921978-09B	Metals Only-Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		PB-TI(180),SB-TI(180)
L1921978-10A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-10B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-11A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-11B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-12A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		TS(7)
L1921978-12B	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		PB-TI(180),SB-TI(180)
L1921978-12C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-13A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-13B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-13C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-14A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-14B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921978-14C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-15A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-15B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-15C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-16A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		TS(7),PB-TI(180),SB-TI(180)
L1921978-16B	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-17A	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-17B	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-18A	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-18B	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-19A	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-19B	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-20A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		PB-TI(180),SB-TI(180)
L1921978-20B	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L1921978-21A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-21B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-22A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-22B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-23A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-23B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-24A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L1921978-24B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		PB-TI(180),SB-TI(180)
L1921978-25A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-25B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-26A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-26B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-27A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-27B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921978-28A	Vial MeOH preserved	E	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1921978-28B	Vial water preserved	E	NA		3.2	Y	Absent	24-MAY-19 14:13	NYTCL-8260HLW(14)
L1921978-28C	Vial water preserved	E	NA		3.2	Y	Absent	24-MAY-19 14:13	NYTCL-8260HLW(14)
L1921978-28D	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		TS(7)
L1921978-28E	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1921978-29A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-29B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-30A	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-30B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-METAL(180)
L1921978-31A	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-31B	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-32A	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-32B	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-33A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-33B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-33C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-34A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-34B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-34C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-35A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-35B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-35C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-36A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-36B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-36C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-37A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L1921978-37B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		PB-TI(180),SB-TI(180)
L1921978-37C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)

*Values in parentheses indicate holding time in days

Project Name: 37-11 30TH STREET
Project Number: 170512301

Lab Number: L1921978
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921978-38A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-38B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-38C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-39A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-39B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-39C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-40A	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-40B	Glass 60mL/2oz unpreserved	E	NA		3.2	Y	Absent		HOLD-METAL(180)
L1921978-40C	Glass 250ml/8oz unpreserved	E	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-41A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-41B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-41C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-42A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-42B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-42C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-43A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-43B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-43C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-44A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-44B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-44C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-45A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-45B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-45C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-46A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-46B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-46C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-47A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)

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L1921978-47B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-47C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-48A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-48B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-48C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-49A	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		-
L1921978-49X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	Y	Absent		PB-CI(180)
L1921978-49X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L1921978-50A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1921978-50B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		PB-TI(180)
L1921978-50C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-51A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-51B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-51C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-52A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-52B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-52C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-53A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1921978-53B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		PB-TI(180)
L1921978-53C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-54A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-54B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-54C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-55A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-55B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-55C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-56A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-56B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)

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L1921978-56C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-57A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-57B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-57C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-58A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-58B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-58C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-59A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-59B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-59C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-60A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-60B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-60C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-61A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-61B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-61C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-62A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-62B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-62C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-63A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-63B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-63C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-64A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-64B	Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-64C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-65A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L1921978-65B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		PB-TI(180)
L1921978-65C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)

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L1921978-66A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-66B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-66C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-67A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-67B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-67C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-68A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-68B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-68C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-69A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-69B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-69C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-70A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-70B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-70C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-71A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-71B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-71C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-72A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-72B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-72C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-73A	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-73B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-73C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-74A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-74B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-74C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-75A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)

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L1921978-75B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-75C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-76A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-76B	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-76C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-77A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1921978-77B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		PB-TI(180)
L1921978-77C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-78A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-78B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-78C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-79A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-79B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-79C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-80A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-80B	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-80C	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-81A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L1921978-81B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		PB-TI(180)
L1921978-81C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-82A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-82B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-82C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-83A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-83B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-83C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-84A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-84B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)

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L1921978-84C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-85A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L1921978-85B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		PB-TI(180)
L1921978-85C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-86A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-86B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-86C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-87A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-87B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-87C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-88A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-88B	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-88C	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14)
L1921978-89A	Vial HCl preserved	D	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921978-89B	Vial HCl preserved	D	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921978-89C	Vial HCl preserved	D	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921978-89D	Amber 120ml unpreserved	D	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1921978-89E	Amber 120ml unpreserved	D	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1921978-89F	Amber 120ml unpreserved	D	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1921978-89G	Amber 120ml unpreserved	D	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1921978-89H	Amber 250ml unpreserved	D	7	7	3.8	Y	Absent		NYTCL-8270-LVI(7)
L1921978-89I	Amber 250ml unpreserved	D	7	7	3.8	Y	Absent		HOLD-WETCHEM()
L1921978-89J	Amber 1000ml unpreserved	D	7	7	3.8	Y	Absent		HERB-APA(7)
L1921978-89K	Amber 1000ml unpreserved	D	7	7	3.8	Y	Absent		HERB-APA(7)
L1921978-89L	Amber 1000ml HCl preserved	D	<2	<2	3.8	Y	Absent		NJEPH-TPH-CAT1(14)
L1921978-89M	Amber 1000ml HCl preserved	D	<2	<2	3.8	Y	Absent		NJEPH-TPH-CAT1(14)

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L1921978-89N	Plastic 250ml HNO3 preserved	D	<2	<2	3.8	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)
L1921978-89O	Plastic 250ml NaOH preserved	D	>12	>12	3.8	Y	Absent		TCN-9010(14)
L1921978-89P	Plastic 500ml unpreserved	D	7	7	3.8	Y	Absent		HEXCR-7196(1)
L1921978-89X	Plastic 120ml HNO3 preserved Extracts	D	NA		3.8	Y	Absent		HOLD-WETCHEM()
L1921978-90A	Vial HCl preserved	D	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921978-90B	Vial HCl preserved	D	NA		3.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	37-11 30TH STREET	**Lab Number:**	L1921978
Project Number:	170512301	**Report Date:**	06/19/19

GLOSSARY

Acronyms

DL - 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

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.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

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.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1921978
Project Number:	170512301	**Report Date:**	06/19/19

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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 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.

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).

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	37-11 30TH STREET	**Lab Number:**	L1921978
Project Number:	170512301	**Report Date:**	06/19/19

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, 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 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, 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

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 9

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1921978

Client Information
Client: LANGAN Engineering
Address: 360 W 31st St New York, NY
Phone: 2124795400
Fax: dataManagement@langan.com
Email: esnead@langan.com

Project Information
Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYSDEC/NJDEP 8260 VOCs, 8260HP	HOLD TCLP Metals	NYSDEC/NJDEP SVOCs, 8270HP	TCLP metals RCRA Char.	PAH+Filter (HOLD PADEP Form)	TCLP Lead	Total Lead & Antimony	HOLD	Sample Specific Comments	Total Bottle
21978-1	SB14-1-3	5/23/19	900	S	ER	X									
2	SB14-0-1	5/23/19	910	S			X								
3	SB14-1-2	5/23/19	911	S			X								
4	SB14-2-3	5/23/19	912	S			X								
5	SB15-4-5	5/23/19	913	S			X								
6	SB15-5-6	5/23/19	914	S			X								
7	WC07-COMP-0-6	5/23/19	915	S				X	X	X					
8	SP-2A-0-2	5/23/19	950	S							X				
9	SP-2A-2-4	5/23/19	955	S								X			
10	SP-2A-4-6	5/23/19	956	S									X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
KE	5/23/19 1645	MB AAL	5/23/19 1645
WDS	5/23/19 1920	QFL	5/23 19:55
QFL	5/23 19:55		

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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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 2 of 9

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1921978

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST. NEW YORK, NY
Phone: 212 479 5400
Fax: DATA MANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th STREET
Project Location: QUEENS, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead & Antimony	HOLD total lead & antimony	HOLD TCLP Metals	Sample Specific Comments	Total Bottle
21978-11	SP-2A_6-8	05/23/19	10:10	S	ER		X		TIME = 9:57	
12	SP-2.1_0-2	05/23/19	10 10	S		X		X		
13	SP-2.1_2-4	05/23/19	10 11	S			X	X		
14	SP-2.1_4-6	05/23/19	10 12	S			X	X		
15	SP-2.1_6-8	05/23/19	10 13	S			X	X		
16	SP-2.2_0-2	05/23/19	10 30			X		X		
17	SP-2.2_2-4	05/23/19	10 31				X	X		
18	SP-2.2_4-6	05/23/19	10 32				X	X		
19	SP-2.2_6-8	↓	10 33	↓			X	X		
20	SP-2.3_0-2	↓	11 00		↓	X		X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/23/19 1645	AAc	5/23/19 1645
QFL	5/23/19 1920	QFL	5/23 19:55

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.)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 9

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1921978

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST. NEW YORK, NY
Phone: 212 479 5400
Fax: DATA MANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th ST
Project Location: QUEENS, NY
Project #: 170512361
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total # Bottles	Sample Specific Comments
21978 - 21	SP-2.3_2-4	05/23/19	11 01	S	KR		
22	SP-2.3_4-6		11 02				
23	SP-2.3_6-8		11 03				
24	SP-2.4_0-2		11 10				
25	SP-2.4_2-4		11 11				
26	SP-2.4_4-6		11 12				
27	SP-2.4_6-8		11 13				
28	SB-VP01_052319		9 05				
29	SP-2.5_0-2		11 30				
30	SP-2.5_2-4		11 31				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/23/19 1645	AHL	5/23/19 1645
QFL	5/23/19 1921	QFL	5/23 19:55

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.)

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Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 9

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1921978

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST NEW YORK, NY
Phone: 212 479 5400
Fax: DATAMANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th STREET
Project Location: QUEENS, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
HOLD Total Read, Cadmium, TCLP Mercury

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HOLD	Total	Read	Cadmium	TCLP	Mercury	Sample Specific Comments
21978-31	SP-2.5-4-6	05/23/19	1132	S	KR	X						
32	SP-2.5-6-8		1133			X						
33	SP-2.6-0-2		1150			X						
34	SP-2.6-2-4		1151			X						
35	SP-2.6-4-6		1152			X						
36	SP-2.6-6-8		1153			X						
37	SP-2.7-0-2		1200			X						
38	SP-2.7-2-4		1201			X						
39	SP-2.7-4-6		1202			X						
40	SP-2.7-6-8	↓	1203	↓	↓	X						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/23/19 1645	[illegible] AFC	5/23/19 1645
[illegible]	5/23/19 1920	[illegible]	5/23 19:55

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 5 of 9

Date Rec'd in Lab 5/24/19

ALPHA Job # L1921978

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST
NEW YORK, NY
Phone: 212 479 5400
Fax: DATAMANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30TH STREET
Project Location: QUEENS, NY
Project # 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
HOLD | TCLP Lead | total lead | HOLD TCLP Lead

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HOLD	TCLP Lead	total lead	HOLD TCLP Lead	Sample Specific Comments
21978- 41	SP-2.8-0-2	05/23/19	1230	S	KE	X				
42	SP-2.8-2-4	"	1231	"	"	X				
43	SP-2.8-4-6	"	1232	"	"	X				
44	SP-2.8-6-8	"	1233	"	"	X				
45	SP-2.9-0-2	"	1245	"	"	X				
46	SP-2.9-2-4	"	1246	"	"	X				
47	SP-2.9-4-6	"	1247	"	"	X				
48	SP-2.9-6-8	"	1248	"	"	X				
49	SP-9A-0-2	"	1300	"	"		X			
50	SP-9A-2-4	"	1301	"	"			X	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
KAR	5/23/19 1645	AAC	5/23/19 1645
QAC	5/23/19 1920	QAC	5/23 19:55

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 6 of 9

Date Rec'd in Lab 5/24/19

ALPHA Job # L1921978

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST NEW YORK, NY
Phone: 212 479 5400
Fax: DATAMANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th ST
Project Location: QUEENS, NY
Project # 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

HOLD

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HOLD	Sample Specific Comments
21978-51	SP-9A_4-6	5/23/19	1302	S	KR	X	
52	SP-9A_6-8		1303			X	
53	SP-9.4_0-2		1315			X	
54	SP-9.4_2-4		1316			X	
55	SP-9.4_4-6		1317			X	
56	SP-9.4_6-8		1318			X	
57	SP-9.5_0-2		1335			X	
58	SP-9.5_2-4		1336			X	
59	SP-9.5_4-6		1337			X	
60	SP-9.5_6-8		1339			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/23/19 1645	AAL	5/23/19 1745
FedEx	5/23/19 1920		5/23 19:55

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Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 7 of 9

Date Rec'd in Lab 5/24/19

ALPHA Job # L1921978

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST. NEW YORK, NY
Phone: 212 479 5400
Fax: DATAMANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30TH ST
Project Location: QUEENS, NY
Project # 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

HOLD

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Bottle	Sample Specific Comments
21978-61	SP-9.6-0-2	1402	5/23/19	S	KR	X	
62	SP-9.6-2-4	1403				X	
63	SP-9.6-4-6	1402				X	
64	SP-9.6-6-8	1403				X	
65	SP-9.7-0-2	1404				X	
66	SP-9.7-2-4	1405				X	
67	SP-9.7-4-6	1406				X	
68	SP-9.7-6-8	1407				X	
69	SP-9.8-0-2	1420				X	
70	SP-9.8-2-4	1421				X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/23/19 1645	AAL	5/23/19 1645
AAL	5/23/19 1920	QFL	5/23 19:55
QFL			

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NEW YORK CHAIN OF CUSTODY

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 6 of 9

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1921978

Client Information
Client: LANGAN ENGINEERING
Address: 360 W 31ST ST NEW YORK, NY
Phone: 212 479 5400
Fax: DATAMANAGEMENT@LANGAN.COM
Email: ESNEAD@LANGAN.COM

Project Information
Project Name: 37-11 30th ST
Project Location: QUEENS, NY
Project #: 170512301
(Use Project name as Project #) ☐
Project Manager: EMILY SNEAD
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HOLD	Total Lead	HOLD TCLP Metals	Sample Specific Comments	Total Bottle
21978-71	SP-9.8_4-6	5/23/19	1422	S	KR	X				
72	SP-9.8_6-8		1423			X				
73	SP-9.9_0-2		1440			X				
74	SP-9.9_2-4		1441			X				
75	SP-9.9_4-6		1442			X				
76	SP-9.9_6-8		1443			X				
77	SP-9.1_0-2		1450				X	X		
78	SP-9.1_2-4		1451			X				
79	SP-9.1_4-6		1452			X				
80	SP-9.1_6-8		1453			X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/23/19 1645	AAL	5/23/19 1745
QFL	5/23/19 1920	QFL	5/23 19:55

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 9 of 9

Date Rec'd in Lab: 5/24/19

ALPHA Job #: L1921978

Client Information
Client: LANGAN Engineering
Address: 360 W 31st St New York, NY
Phone: 212 479 5400
Fax: datamanagement@langan.com
Email: esnead@langan.com

Project Information
Project Name: 37-11 30th Street
Project Location: Queens, NY
Project #: 170512301
(Use Project name as Project #)
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
ASP-A: ASP-B: X
EQuIS (1 File): EQuIS (4 File):
Other:

Billing Information
X Same as Client Info
PO #

Regulatory Requirement
NY TOGS: NY Part 375:
AWQ Standards: NY CP-51:
NY Restricted Use: Other:
NY Unrestricted Use:
NYC Sewer Discharge:

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ: NY:
Other:

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead Hold TCLP metals	HOLD	VOCs, SVOCs, Pest/Herb, PCBs, metals (hexchrom, cyanide) TCLP	RCRA Char, EPH	VOCs, EPH	Total Bottle	Sample Specific Comments
21978-81 71	SP-9.2_0-2	5/23/19	1520	S	KR	X						
82 72	SP-9.2_2-4		1521				X					
83 73	SP-9.2_4-6		1522				X					
84 74	SP-9.2_6-8		1523				X					
85 75	SP-9.3_0-2		1530			X						
86 76	SP-9.3_2-4		1531				X					
87 77	SP-9.3_4-6		1532				X					
88 78	SP-9.3_10-8		1533				X					
89 79	FIELDBLANK		1500	aq				X	X	X		
90 CT80	TRIP BLANK		—							X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
KR	5/23/19 1645	AFL	5/23/19 1645
QFL	5/23/19 1925	QFL	5/24 19:55

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

SOIL BORING LOGS

LANGAN

LANGAN

Log of Boring **SB04.10** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-6") CONCRETE	0					0.0	
		Dark gray medium SAND, trace fine gravel (moist) [FILL]		M-1A				0.0	
		Brown fine SAND, trace fine gravel (moist) [SP]	1	~~M-1B~~				0.0	Collected SB04.10_0.5-2 at 12:30
								0.0	
			2				N/A	0.0	
			3	M-1C					
		Brown fine SAND, trace fine gravel (moist) [SP]	4					0.0	
								0.0	
			5					0.0	Collected SB04.10_5-6 at 12:32
								0.0	
			6				N/A	0.0	Collected SB04.10_6-8 at 12:33
								0.0	
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NYC\DATA3\170512301\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170512301_ENTERPRISE.GPJ ... 6/6/2019 2:30:51 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB04.11** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Gray fine GRAVEL, coal, brick, fabric like material (moist) [FILL]	0	M-1A				0.0	
		Reddish brown fine SAND, trace silt (moist) [SP-SM]	1					0.0	Collected SB04.11_0-1 at 12:55
								0.0	
			2				N/A	0.0	Collected SB04.11_1-2.5 at 12:56
								0.0	
			3	M-1B					
		Brown fine SAND (moist) [SP]	4					0.0	
								0.0	
			5					0.0	Collected SB04.11_5-6 at 12:57
								0.0	
			6				N/A	0.0	Collected SB04.11_6-7 at 12:58
								0.0	
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
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Log of Boring **SB04.12** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, some fine gravel, brick, coal (moist) [FILL]	0					0.0	
								0.0	
			1	M-1A				0.0	Collected SB04.12_1-3 at 11:15
		Brown fine SAND, trace fine gravel (moist) [FILL]						0.0	
			2				N/A	0.0	
								0.0	
			3	M-1B				0.0	Collected SB04.12_3-5 at 11:16
		Brown fine SAND (moist) [SP]	4					0.0	
								0.0	
			5					0.0	Collected SB04.12_5-7 at 11:17
								0.0	
			6				N/A	0.0	
								0.0	
			7					0.0	Collected SB04.12_7-8 at 11:18
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
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Log of Boring **SB06.1** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Dark brown fine SAND, some fine gravel, trace silt, concrete (moist) [FILL]	0	M-1A				0.0	Collected SB06.1_0-2 at 8:10
		Dark gray fine SAND, trace fine gravel, coal, brick fragments (moist) [FILL]	1	M-1B				0.0	
		Tan to brown fine SAND (moist) [SP]						0.0	
			2				N/A	0.0	Collected SB06.1_2-4 at 8:11
								0.0	
			3	M-1C					
		Tannish-yellowish and brown fine SAND (moist) [SP]	4					0.0	Collected SB06.1_4-6 at 8:12
								0.0	
			5	M-2A				0.0	
		Tannish-yellowish and brown medium SAND, some fine gravel (moist) [SP]						0.0	
			6				N/A	0.0	Collected SB06.1_6-8 at 8:13
								0.0	
			7	M-2B					
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
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Log of Boring **SB06.2** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, some fine gravel (moist) [FILL]	0	M-1A				0.0	Collected SB06.2_0-2 at 7:55
		Dark gray fine SAND, some fine gravel, coal, coal ash, glass, rust (moist) [FILL]	1	M-1B				0.0	
		Brown to light brown fine SAND (moist) [SP]						0.0	
			2				N/A	0.0	Collected SB06.2_2-4 at 7:56
								0.0	
			3	M-1C				0.0	
		Brown fine SAND (moist) [SP]	4					0.0	Collected SB06.2_4-6 at 7:57
								0.0	
			5					0.0	
								0.0	
			6	M-2A			N/A	0.0	Collected SB06.2_6-8 at 7:58
								0.0	
		Brown silty SAND (moist) [SP]	7	M-2B					
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
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Log of Boring **SB06.3** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brownish gray to tan fine SAND, trace fine gravel, concrete, coal (moist) [FILL]	0	M-1A				0.0	Collected SB06.3_0-2 at 9:00
		Brown fine SAND (moist) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SB06.3_2-4 at 9:01
			3	M-1B					
		Brown fine SAND, some medium sand (moist) [SP]	4					0.0	Collected SB06.3_4-6 at 9:02
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SB06.3_6-8 at 9:03
								0.0	
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
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Log of Boring **SB06.4** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-7") CONCRETE	0	M-1A				0.0	Collected SB06.4_0-2 at 9:20
		Brown to dark gray fine SAND, coal, brick (moist) [FILL]	1					0.0	
				M-1B				0.0	
		Orangish brown fine SAND (moist) [SP]	2				N/A	0.0	Collected SB06.4_2-4 at 9:21
								0.0	
			3	M-1C					
		Brown medium SAND (moist) [SP]	4					0.0	Collected SB06.4_4-6 at 9:22
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SB06.4_6-8 at 9:23
								0.0	
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
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Log of Boring **SB06.5** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-8") CONCRETE	0					0.0	
				M-1A				0.0	Collected SB06.5_0-2 at 9:50
		Brown to dark gray fine SAND, some fine gravel, coal (moist) [FILL]	1					0.0	
				M-1B				0.0	
		Reddish brown fine SAND, trace fine gravel (moist) [SP]	2				N/A	0.0	Collected SB06.5_2-4 at 9:51
								0.0	
			3	M-1C					
		Brown to tan medium SAND (moist) [SP]	4					0.0	Collected SB06.5_4-6 at 9:52
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SB06.5_6-8 at 9:53
								0.0	
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
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Log of Boring **SB06.6** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/24/19 — Date Finished: 5/24/19
Drilling Equipment: Geoprobe 540 MJ	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Josh
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-7") CONCRETE	0	M-1A				0.0	Collected SB06.6_0-2 at 10:30
		Brown fine SAND, some fine gravel, brick fragments, coal (moist) [FILL]	1					0.0	
				M-1B				0.0	
		Brown fine SAND, trace silt (moist) [SP-SM]	2				N/A	0.0	Collected SB06.6_2-4 at 10:31
								0.0	
			3	M-1C					
		Brown fine SAND, trace silt (moist) [SP-SM]	4					0.0	Collected SB06.6_4-6 at 10:32
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SB06.6_6-8 at 10:33
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
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Log of Boring **SB14** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 6 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Dark gray medium SAND, concrete, slag (moist) [FILL]	0	M-1A				0.0	Collected SB14_0-1 at 9:10
		Brown medium SAND, trace fine gravel (moist) [SP]	1					0.0	
								0.0	Collected SB14_1-3 at 9:00 and SBDUP01_052319 at 9:05
			2				N/A	0.0	Collected SB14_1-2 at 9:11
			3	M-1B					Collected SB14_2-3 at 9:12
		Brown fine SAND, some fine gravel (moist) [SW]	4					0.0	
								0.0	
			5					0.0	
			6				N/A		End of boring at 6 feet bgs. Backfilled with soil cuttings.
			7						
			8						
			9						
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Log of Boring **SB15** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 6 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Reddish brown medium SAND, brick, glass, concrete, Fabric-like material (moist) [FILL]	0					0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4				N/A		
		Brown medium SAND, concrete fragments, brick fragments (moist) [FILL]	5					0.0	Collected SB15_4-5 at 9:13
			6					0.0	
			7				N/A	0.0	Collected SB15_5-6 at 9:14
			8						End of boring at 6 feet bgs. Backfilled with soil cuttings.
			9						
			10						
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Log of Boring **SP-2.1** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, trace fine gravel, metal fragment (moist) [FILL]	0					0.0	Collected SP-2.1_0-2 at 10:10
			1	M-1A				0.0	
								0.0	
								0.0	
		Orangish brown medium SAND (moist) [SP]	2				N/A	0.0	Collected SP-2.1_2-4 at 10:11
								0.0	
			3	M-1B				0.0	
		Orangish brown medium SAND, trace fine gravel (moist) [SP]	4					0.0	Collected SP-2.1_4-6 at 10:12
				M-2A				0.0	
		Brown fine SAND, trace silt (moist) [SP-SM]	5					0.0	
				M-2B				0.0	
		Brown medium SAND (moist) [SP]	6				N/A	0.0	Collected SP-2.1_6-8 at 10:13
								0.0	
			7					0.0	
				M-2C				0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
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Log of Boring **SP-2.2** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Dark brown fine SAND, trace fine gravel, metal fragment (moist) [FILL]	0					0.0	Collected SP-2.2_0-2 at 10:30
		Orangish brown medium SAND (moist) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SP-2.2_2-4 at 10:31
			3						
		Orangish brown medium SAND, trace silt (moist) [SP]	4					0.0	Collected SP-2.2_4-6 at 10:32
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.2_6-8 at 10:33
								0.0	
			7					0.0	
								0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
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			20						

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Log of Boring **SP-2.3** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, some fine gravel, styrofoam, calcium mortar (moist) [FILL]	0					0.0	Collected SP-2.3_0-2 at 11:00
			1	M-1A				0.0	
		Brown medium SAND, trace fine gravel (moist) [SP]						0.0	
			2				N/A	0.0	Collected SP-2.3_2-4 at 11:01
								0.0	
			3	M-1B				0.0	
		Brown medium SAND, trace fine gravel (moist) [SP]	4					0.0	Collected SP-2.3_4-6 at 11:02
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.3_6-8 at 11:03
								0.0	
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
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Log of Boring **SP-2.4** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, trace fine gravel (moist) [FILL]	0	M-1A				0.0	
		CONCRETE [FILL]		M-1B				0.0	Collected SP-2.4_0-2 at 11:10
		Brown fine SAND, some fine gravel (moist) [FILL]	1					0.0	
								0.0	
			2	M-1C			N/A	0.0	Collected SP-2.4_2-4 at 11:11
		Brown medium SAND, trace fine gravel (moist) [SP]						0.0	
			3	M-1D					
		Brown medium SAND, trace silt, trace fine gravel (moist) [SP]	4					0.0	Collected SP-2.4_4-6 at 11:12
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.4_6-8 at 11:13
								0.0	
			7					0.0	
								0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
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Log of Boring **SP-2.5** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, concrete, brick, trace fine gravel (moist) [FILL]	0					0.0	
				M-1A				0.0	Collected SP-2.5_0-2 at 11:30
		Brown fine SAND, trace fine gravel (moist) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SP-2.5_2-4 at 11:31
								0.0	
			3	M-1B					
		Brown medium SAND, trace fine gravel (moist) [SP]	4					0.0	Collected SP-2.5_4-6 at 11:32
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.5_6-8 at 11:33
								0.0	
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
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Log of Boring **SP-2.6** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, brick (moist) [FILL]	0	M-1A				0.0	
		CONCRETE [FILL]						0.0	Collected SP-2.6_0-2 at 11:50
		Brown medium SAND, trace fine gravel (moist) [SP]	1	M-1B				0.0	
								0.0	
			2				N/A	0.0	Collected SP-2.6_2-4 at 11:51
								0.0	
			3	M-1C					
		Brown medium SAND, some fine gravel (moist) [SP]	4					0.0	Collected SP-2.6_4-6 at 11:52
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.6_6-8 at 11:53
								0.0	
			7					0.0	
								0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
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Log of Boring **SP-2.7** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Dark brown fine SAND, wood, trace fine gravel (moist) [FILL]	0					0.0	
			1					0.0	Collected SP-2.7_0-2 at 12:00
		Brown fine SAND (moist) [SP]						0.0	
			2	M-1B			N/A	0.0	Collected SP-2.7_2-4 at 12:01
								0.0	
			3					0.0	
		Brown fine SAND (moist) [SP]	4					0.0	Collected SP-2.7_4-6 at 12:02
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.7_6-8 at 12:03
								0.0	
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
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Log of Boring **SP-2.8** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Dark brown fine SAND, wood, trace fine gravel (moist) [FILL]	0					0.0	
				M-1A				0.0	Collected SP-2.8_0-2 at 12:30
			1					0.0	
		Brown fine SAND (moist) [SP]						0.0	
			2				N/A	0.0	Collected SP-2.8_2-4 at 12:31
				M-1B					
			3						
		Brown fine SAND (moist) [SP]	4					0.0	Collected SP-2.8_4-6 at 12:32
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.8_6-8 at 12:33
								0.0	
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
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Log of Boring **SP-2.9** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Dark brown fine SAND, trace fine gravel, ceramic (moist) [FILL]	0					0.0	Collected SP-2.9_0-2 at 12:45
			1					0.0	
								0.0	
								0.0	
			2				N/A	0.0	Collected SP-2.9_2-4 at 12:46
			3						
			4					0.0	Collected SP-2.9_4-6 at 12:47
		Dark brown fine SAND, trace fine gravel, ceramic (moist) [FILL]		M-2A				0.0	
		Brown to reddish brown fine SAND, trace fine gravel (moist) [SP]	5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-2.9_6-8 at 12:48
								0.0	
			7	M-2B				0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
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Log of Boring **SP-2A** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine SAND, glass, some fine gravel (moist) [FILL]	0					0.0	
			1	M-1A				0.0	Collected SP-2A_0-2 at 9:50
								0.0	
			2					0.0	
		Brown medium SAND, trace fine gravel (moist) [SP]					N/A	0.0	Collected SP-2A_2-4 at 9:55
			3	M-1B				0.0	
								0.0	
		Brown medium SAND, trace fine gravel (moist) [SP]	4						Collected SP-2A_4-6 at 9:56
			5	M-2A					
		Brown fine SAND, trace silt (moist) [SP]	6	M-2B			N/A		Collected SP-2A_6-8 at 9:57
		Brown medium SAND (moist) [SP]							
			7	M-2C					
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
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Log of Boring **SP-9.1** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-6") CONCRETE	0					0.0	
				M-1A				0.0	Collected SP-9.1_0-2 at 14:50
		Dark brown fine SAND (moist) [FILL]	1	M-1B				0.0	
		Brown fine SAND (moist) [SP]						0.0	
			2				N/A	0.0	Collected SP-9.1_2-4 at 14:51
			3	M-1C					
			4					0.0	Collected SP-9.1_4-6 at 14:52
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9.1_6-8 at 14:53
			7	M-2A					
			8	M-2B					End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
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Log of Boring **SP-9.2** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-8") CONCRETE	0	M-1A				0.0	Collected SP-9.2_0-2 at 15:20
		Dark gray fine SAND, glass, coal (dry) [FILL]	1	M-1B				0.0	
		Brown to light brown fine SAND (dry) [SP]						0.0	
			2				N/A	0.0	Collected SP-9.2_2-4 at 15:21
								0.0	
			3	M-1C				0.0	
		Light brown fine SAND (moist) [SP]	4					0.0	Collected SP-9.2_4-6 at 15:22
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9.2_6-8 at 15:23
				M-2A				0.0	
			7					0.0	
								0.0	
		Brown fine SAND, trace silt (moist) [SP-SM]	8	M-2B				0.0	End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SP-9.3** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-8") CONCRETE	0	M-1A				0.0	Collected SP-9.3_0-2 at 15:30
		Dark gray fine SAND, coal fragments (moist) [FILL]	1	M-1B				0.0	
		Reddish brown to brown fine SAND (moist) [SP]						0.0	
			2				N/A	0.0	Collected SP-9.3_2-4 at 15:31
								0.0	
			3	M-1C				0.0	
		Brown medium SAND (moist) [SP]	4					0.0	Collected SP-9.3_4-6 at 15:32
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9.3_6-8 at 15:33
								0.0	
			7					0.0	
								0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
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Log of Boring **SP-9.4** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-6") CONCRETE	0	M-1A				0.0	Collected SP-9.4_0-2 at 13:15
		Brown fine SAND, coal, brick (dry) [FILL]		M-1B				0.0	
		Brown fine SAND (dry) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SP-9.4_2-4 at 13:16
								0.0	
			3	M-1C				0.0	
		Brown medium SAND (moist) [SP]	4					0.0	Collected SP-9.4_4-6 at 13:17
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9.4_6-8 at 13:18
								0.0	
			7					0.0	
								0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
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Log of Boring **SP-9.5** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-6") CONCRETE	0	M-1A				0.0	Collected SP-9.5_0-2 at 13:35
		Brown fine SAND, coal, brick (dry) [FILL]		M-1B				0.0	
		Brown fine SAND (dry) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SP-9.5_2-4 at 13:36
								0.0	
			3	M-1C					
		Brown medium SAND (moist) [SP]	4					0.0	Collected SP-9.5_4-6 at 13:37
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9.5_6-8 at 13:38
								0.0	
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
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Log of Boring **SP-9.6** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-6") CONCRETE	0	M-1A				0.0	Collected SP-9.6_0-2 at 14:00
		Brown fine SAND, coal, brick (dry) [FILL]		M-1B				0.0	
		Brown fine SAND (dry) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SP-9.6_2-4 at 14:01
			3	M-1C					
		Brown medium SAND (moist) [SP]	4					0.0	Collected SP-9.6_4-6 at 14:02
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9.6_6-8 at 14:03
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
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Log of Boring **SP-9.7** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-6") CONCRETE	0	M-1A				0.0	Collected SP-9.7_0-2 at 14:04
		Brown fine SAND, coal, brick (dry) [FILL]		M-1B				0.0	
		Brown fine SAND (dry) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SP-9.7_2-4 at 14:05
								0.0	
			3	M-1C					
		Brown medium SAND (moist) [SP]	4					0.0	Collected SP-9.7_4-6 at 14:06
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9.7_6-8 at 14:07
			7						
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
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Log of Boring **SP-9.8** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-7") CONCRETE	0	M-1A				0.0	Collected SP-9.8_0-2 at 14:20
		Dark brown fine SAND, concrete, glass, metal fragments, ceramic (dry) [FILL]	1	M-1B				0.0	
		Brown fine SAND (moist) [SP]	2				N/A	0.0	Collected SP-9.8_2-4 at 14:21
			3	M-1C				0.0	
		Light brown fine SAND (moist) [SP]	4					0.0	Collected SP-9.7_4-6 at 14:22
			5					0.0	
			6				N/A	0.0	Collected SP-9.7_6-8 at 14:23
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
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Log of Boring **SP-9.9** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-7") CONCRETE	0	M-1A				0.0	Collected SP-9.9_0-2 at 14:40
		Dark brown fine SAND, concrete, glass, metal fragments, Ceramic (dry) [FILL]	1	M-1B				0.0	
		Brown fine SAND (moist) [SP]	2				N/A	0.0	Collected SP-9.9_2-4 at 14:41
			3	M-1C				0.0	
		Light brown fine SAND (moist) [SP]	4					0.0	Collected SP-9.9_4-6 at 14:42
			5					0.0	
			6				N/A	0.0	Collected SP-9.9_6-8 at 14:43
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
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Log of Boring **SP-9A** Sheet 1 of 1

Project: 37-11 30th Street	Project No.: 170512301
Location: 37-11 30th St	Elevation and Datum: N/A
Drilling Company: Eastern Environmental Solutions, Inc.	Date Started: 5/23/19 — Date Finished: 5/23/19
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 8 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2-inch — Casing Depth (ft): N/A	Water Level (ft.): First N/A — Completion N/A — 24 HR. N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike
Sampler: 4-foot Macrocore	Field Engineer: Katherine Racanelli
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		(0-6") CONCRETE	0	M-1A				0.0	Collected SP-9A_0-2 at 10:30
		Dark brown fine SAND (moist) [FILL]		M-1B				0.0	
		Brown fine SAND (moist) [SP]	1					0.0	
								0.0	
			2				N/A	0.0	Collected SP-9A_2-4 at 10:31
								0.0	
			3	M-1C				0.0	
		Brown fine SAND (moist) [SP]	4					0.0	Collected SP-9A_4-6 at 10:32
								0.0	
			5					0.0	
								0.0	
			6				N/A	0.0	Collected SP-9A_6-8 at 10:33
								0.0	
			7					0.0	
			8						End of boring at 8 feet bgs. Backfilled with soil cuttings.
			9						
			10						
			11						
			12						
			13						
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The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

LNT81V, Inc

37-11 30th Street, Queens, NY

SGS Job Number: JC95250

Sampling Date: 09/17/19

Report to:

LNT81V, Inc

tsarett@gmail.com

ATTN: Todd Sarett

Total number of pages in report: 23

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Laura Degenhardt
General Manager

Client Service contact: Ayesha Kapadia 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Oct 10, 2019

Mr. Todd Sarett
Soil Managers/LNT81V, Inc.
47 Warren Road
West Orange, NJ 07052

Re: SGS North America – Dayton, NJ Jobs # JC95250 – Reissues

Dear Mr. Sarett,

The final reports for SGS jobs number JC5250 have been edited to reflect corrections to the final results. These edits have been incorporated into the revised report which is attached.

Specifically, an additional Metals element as SW846 6010D Method has been reported for samples JC95250 -1 to meet client's requirement. The attached revised report incorporates these revisions.

Please contact me at 732-329-0200 if I can be of further assistance in this matter.

Sincerely,

Report Department

SGS North America Inc

CONTINUOUS SERVICE IMPROVEMENT!

Our goal is to continuously improve our service to you. Please share your ideas about how we can serve you better at EHS.US.CustomerCare@sgs.com. Your feedback is appreciated!

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Sample Summary

LNT81V, Inc

37-11 30th Street, Queens, NY

Job No: JC95250

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JC95250-1	09/17/19	11:01	TS	09/18/19	SO	Soil	SS-01 (2-8')C
JC95250-1A	09/17/19	11:01	TS	09/18/19	SO	Soil	SS-01 (2-8')C
JC95250-1T	09/17/19	11:01	TS	09/18/19	SO	Soil	SS-01 (2-8')C
JC95250-2	09/17/19	11:11	TS	09/18/19	SO	Soil	SS-01 (2-3')G
JC95250-3A	09/17/19	12:40	TS	09/18/19	SO	Soil	SS-02 (2-8')C
JC95250-4	09/17/19	12:45	TS	09/18/19	SO	Soil	SS-02 (2-3')G

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC95250
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 09/17/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC95250-1	**SS-01 (2-8')C**					
Acenaphthene		17.0 J	40	14	ug/kg	SW846 8270D
Anthracene		43.3	40	24	ug/kg	SW846 8270D
Benzo(a)anthracene		103	40	11	ug/kg	SW846 8270D
Benzo(a)pyrene		91.7	40	18	ug/kg	SW846 8270D
Benzo(b)fluoranthene		120	40	18	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		60.8	40	20	ug/kg	SW846 8270D
Benzo(k)fluoranthene		44.8	40	19	ug/kg	SW846 8270D
Chrysene		96.7	40	13	ug/kg	SW846 8270D
Fluoranthene		253	40	18	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		67.6	40	19	ug/kg	SW846 8270D
Naphthalene		21.9 J	40	11	ug/kg	SW846 8270D
Phenanthrene		257	40	13	ug/kg	SW846 8270D
Pyrene		205	40	13	ug/kg	SW846 8270D
Aluminum		7840	59		mg/kg	SW846 6010D
Barium		42.1	24		mg/kg	SW846 6010D
Beryllium		0.37	0.24		mg/kg	SW846 6010D
Calcium		3480	590		mg/kg	SW846 6010D
Chromium		14.7	1.2		mg/kg	SW846 6010D
Copper		17.3	3.0		mg/kg	SW846 6010D
Iron		12400	59		mg/kg	SW846 6010D
Lead		18.1	2.4		mg/kg	SW846 6010D
Magnesium		3500	590		mg/kg	SW846 6010D
Manganese		363	1.8		mg/kg	SW846 6010D
Nickel		15.1	4.7		mg/kg	SW846 6010D
Vanadium		20.3	5.9		mg/kg	SW846 6010D
Zinc		56.5	5.9		mg/kg	SW846 6010D
Chromium, Trivalent [a]		14.7	1.7		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2		271			mv	ASTM D1498-76M
pH		8.09			su	SW846 9045D
JC95250-1A	**SS-01 (2-8')C**					
No hits reported in this sample.						
JC95250-1T	**SS-01 (2-8')C**					
No hits reported in this sample.						
JC95250-2	**SS-01 (2-3')G**					
Methylene chloride		1.5 J	5.6	1.1	ug/kg	SW846 8260C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS-01 (2-8')C		
Lab Sample ID:	JC95250-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	83.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P131802.D	1	09/25/19 08:34	CS	09/24/19 16:30	OP22921	EP5979
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	17.0	40	14	ug/kg	J
208-96-8	Acenaphthylene	ND	40	20	ug/kg	
120-12-7	Anthracene	43.3	40	24	ug/kg	
56-55-3	Benzo(a)anthracene	103	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	91.7	40	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	120	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	60.8	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	44.8	40	19	ug/kg	
218-01-9	Chrysene	96.7	40	13	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	18	ug/kg	
206-44-0	Fluoranthene	253	40	18	ug/kg	
86-73-7	Fluorene	ND	40	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	67.6	40	19	ug/kg	
91-20-3	Naphthalene	21.9	40	11	ug/kg	J
85-01-8	Phenanthrene	257	40	13	ug/kg	
129-00-0	Pyrene	205	40	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		26-134%
321-60-8	2-Fluorobiphenyl	61%		39-124%
1718-51-0	Terphenyl-d14	75%		36-134%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-01 (2-8')C		
Lab Sample ID:	JC95250-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	83.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2440373.D	1	09/23/19 17:51	RK	09/22/19 09:20	OP22871	GXX6814
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	16	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		31-146%
877-09-8	Tetrachloro-m-xylene	101%		31-146%
2051-24-3	Decachlorobiphenyl	80%		17-164%
2051-24-3	Decachlorobiphenyl	108%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-01 (2-8')C		
Lab Sample ID:	JC95250-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	83.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Y55666.D	1	09/27/19 00:17	SH	09/26/19 10:45	OP22893	G5Y1950
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.3	2.2	mg/kg	
	EPH (> C28-C40)	ND	7.3	2.2	mg/kg	
	Total EPH (C9-C40)	ND	7.3	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		40-140%
3386-33-2	1-Chlorooctadecane	56%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-01 (2-8')C		
Lab Sample ID:	JC95250-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	83.5
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7840	59	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.4	2.4	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	< 2.4	2.4	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	42.1	24	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.37	0.24	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.59	0.59	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	3480	590	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	14.7	1.2	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.9	5.9	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	17.3	3.0	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	12400	59	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	18.1	2.4	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	3500	590	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	363	1.8	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.036	0.036	mg/kg	1	09/20/19	09/20/19	CH	SW846 7471B [1]	SW846 7471B [3]
Nickel	15.1	4.7	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.59	0.59	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	20.3	5.9	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	56.5	5.9	mg/kg	1	09/25/19	09/26/19	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA47480
(2) Instrument QC Batch: MA47511
(3) Prep QC Batch: MP17435
(4) Prep QC Batch: MP17502

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-01 (2-8')C		
Lab Sample ID:	JC95250-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	83.5
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.48	0.48	mg/kg	1	10/02/19 10:39	RI	SW846 3060A/7196A
Chromium, Trivalent [a]	14.7	1.7	mg/kg	1	10/02/19 10:39	RI	SW846 6010/7196A M
Redox Potential Vs H2	271		mv	1	10/01/19 13:20	JW	ASTM D1498-76M
Solids, Percent	83.5		%	1	09/29/19 15:30	BG	SM2540 G 18TH ED MOD
pH	8.09		su	1	10/01/19 13:20	JW	SW846 9045D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-01 (2-8')C		
Lab Sample ID:	JC95250-1A	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	83.5
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	09/26/19	09/27/19	ND	SW846 6010D [1]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	5	09/26/19	09/27/19	ND	SW846 6010D [1]	SW846 3010A [3]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	09/26/19	09/27/19	ND	SW846 6010D [1]	SW846 3010A [3]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	09/26/19	09/27/19	ND	SW846 6010D [1]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	09/26/19	09/27/19	ND	SW846 6010D [1]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/27/19	09/27/19	LL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	09/26/19	09/27/19	ND	SW846 6010D [1]	SW846 3010A [3]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	09/26/19	09/27/19	ND	SW846 6010D [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA47520
(2) Instrument QC Batch: MA47522
(3) Prep QC Batch: MP17558
(4) Prep QC Batch: MP17580

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	SS-01 (2-8')C		
Lab Sample ID:	JC95250-1T	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	83.5
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Paint Filter Test [a]	< 0.50	0.50	ml/100g	1	10/11/19 09:35	RI	SW846 9095/9095B

(a) No free liquids.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-01 (2-3')G		
Lab Sample ID:	JC95250-2	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I228666.D	1	09/29/19 17:15	TDN	09/18/19 21:00	n/a	VI9221
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.5	ug/kg	
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.50	ug/kg	
75-25-2	Bromoform	ND	5.6	0.65	ug/kg	
74-83-9	Bromomethane	ND	5.6	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.55	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.74	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.94	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.63	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.82	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.62	ug/kg	
76-13-1	Freon 113	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-01 (2-3')G		
Lab Sample ID:	JC95250-2	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.8
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	0.78	ug/kg	
79-20-9	Methyl Acetate [a]	ND	5.6	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.5	ug/kg	
75-09-2	Methylene chloride	1.5	5.6	1.1	ug/kg	J
100-42-5	Styrene	ND	2.2	0.65	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.65	ug/kg	
108-88-3	Toluene	ND	1.1	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.62	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.86	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.77	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.54	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.65	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		75-127%
17060-07-0	1,2-Dichloroethane-D4	120%		75-130%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	100%		79-127%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: JC95250
Account: LNTNJWO LNT81V, Inc
Project: 37-11 30th Street, Queens, NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Chromium, Trivalent		**SW846 6010/7196A M**	SO	SGS is not certified for this parameter.[a]
Redox Potential Vs H2		**ASTM D1498-76M**	SO	SGS is not certified for this parameter.[a]

(a) Lab cert for analyte not supported by NJDEP, OQA. Only methods/analytes required for reporting by the State of NJ can be certified in NJ. Use of this analyte for compliance must be verified through the appropriate regulatory office.

Certification exceptions shown are based on the New Jersey DEP certifications. Applicability in other states may vary. Please contact your laboratory representative if additional information is required for a specific regulatory program.

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

SO SLC

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #: AK-032219-93
SGS Quote #: | SGS Job #: JC95250

Client / Reporting Information
Company Name: Soil Managers
Street Address: 47 Warren Road
City: West Orange State: NJ Zip: 07052
Project Contact: E-Mail:
Phone #: 973-222-0145
Sampler(s) Name(s): Todd E. Surett Phone #: 973-222-0145

Project Information
Project Name: 37-11 30th Street, LIC NY
Street: 37-11 30th St
City: LIC, NY State:
Project #:
Client Purchase Order #:
Project Manager: Todd E. Surett

Billing Information (if different from Report to)
Company Name: Soil Managers.
Street Address:
City: State: Zip:
Attention: Todd E. Surett

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	VOC 8260B	EPH	Total Metals (8)	RCB	PAH	Cr III and Cr VI (Total)	TCLP Metals (8)	LAB USE ONLY
1	SS-01 (2-8') C	•	9/17/19	11:01	TS	C	Soil									#35		X	X	X	X	X	X	C60
2	SS-01 (2-3') G	*	9/17/19	11:11	TS	G	Soil									X	X							P40
3	SS-02 (2-8') C	•	9/17/19	12:40	TS	C	Soil									#50		X	X	X	X	X	X	L405
4	SS-02 (2-3') G	*	9/17/19	12:45	TS	G	Soil									X	X							4098
																								H5T6
																								C247

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turn Around Time (Business Days)
Approved By (SGS PM): / Date:
☐ 10 Business Days
☐ 5 Business Days
☐ 3 Business Days*
☐ 2 Business Days*
☐ 1 Business Day*
☒ Other 8 Day Contract
All data available via Labiink
* Approval needed for 1-3 Business Day TAT

Deliverable
☐ Commercial "A" (Level 1)
☐ Commercial "B" (Level 2)
☐ NJ Reduced (Level 3)
☐ Full Tier I (Level 4)
☐ Commercial "C"
☐ NJ DKQP
☐ NYASP Category A
☐ NYASP Category B
☐ MA MCP Criteria
☐ CT RCP Criteria
☐ State Forms
☐ EDD Format
☐ DOD-QSM5
Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
H = HOLD
3x VOC Encores
2x 25g Encores
8 Point Comp
VOC discrete Grab
- EPH is Comp
• 2x25g encore
* 3x5g encore
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Todd E. Surett	9/18/19	John 9/18/19 0800	John 9/18/19	1648	2
3			3			4
5			5			

Custody Seal #: ☐ Intact ☐ Not Intact
Preserved where applicable ☐ Absent
On Ice ☐ Therm. ID:
Cooler Temp. °C

INITIAL ASESSMENT 2 Box
LABEL VERIFICATION

CIP 33

NOTE: SS-01 Address SB-06 LEAD

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

SGS Sample Receipt Summary

Job Number: JC95250 **Client:** SOIL MANAGERS **Project:** 425 WESTCHESTER AVENUE, BRONX, NY

Date / Time Received: 9/18/2019 4:48:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.3);

Cooler Temps (Corrected) °C: Cooler 1: (3.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments Comments noting VOC and TCLP VOC on hold. Please verify.

SM089-03
Rev. Date 12/7/17

Responded to by: ak

Response Date: 9/20

Response:

TCLP VOC not needed

Job Change Order: JC95250

Requested Date: 9/20/2019
Account Name: LNT81V, Inc
Project Description: 37-11 30th Street, Queens, NY
C/O Initiated By: AK
PM: AK
Received Date: 9/18/2019
Due Date: 10/2/2019
Deliverable: COMMA
TAT (Days): 14

==========

Sample #: JC95250-3 , 3A, 4
Dept:
TAT: 14

Change:
Please place samples on hold, per client request

==========

Above Changes Per: Todd Sarett
Date/Time: 9/20/2019 10:15:19 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

Job Change Order: JC95250

Requested Date:	10/9/2019	**Received Date:**	9/18/2019
Account Name:	LNT81V, Inc	**Due Date:**	10/2/2019
Project Description:	37-11 30th Street, Queens, NY	**Deliverable:**	COMMA
C/O Initiated By:	AK	**TAT (Days):**	1
	PM: AK		

Sample #: JC95250-1

Dept:

TAT: 1

SS-01 (2-8')C

Change:
relog and retrieve for AL, BE, CA, CO, CU, FE, K, MG, MN, NA, NI, SB, TL, V, ZN

Above Changes Per: Todd sarett

Date/Time: 10/9/2019 4:47:58 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JC95250

Requested Date:	10/10/2019	**Received Date:**	9/18/2019
Account Name:	LNT81V, Inc	**Due Date:**	10/10/2019
Project Description:	37-11 30th Street, Queens, NY	**Deliverable:**	COMMA
C/O Initiated By:	AK **PM:** AK	**TAT (Days):**	2

==========

Sample #: JC95250-1 **Change:**

Relog and run for PNTFIL

Dept:

TAT: 2

SS-01 (2-8')C

==========

Above Changes Per: Todd sarett **Date/Time:** 10/10/2019 4:29:43 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

JC95250: Chain of Custody
Page 6 of 6

SO
SCL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #
Bottle Order Control # AK-032219-92
SGS Quote #
SGS Job # JC95251

Client / Reporting Information

Company Name: Soil Managers
Street Address: 47 Warren Road
City State Zip: West Orange NJ 07052
Project Contact: Todd E Sumett E-mail: Tsumett@gmail.com
Phone #: 973-222-0145
Sampler(s) Name(s): TODD E. Sumett Phone #

Project Information

Project Name: 37-11 30th Street, LIC NY
Street: 37-11 30th Street
City State: LIC NY
Project #: 973-222-0145
Client Purchase Order #
Project Manager: Todd E. Sumett

Billing Information (if different from Report to)

Company Name: Soil Managers
Street Address: 47 Warren Road
City State Zip: West Orange NJ 07052
Attention: Todd E. Sumett

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	VOC Encore Grab 5035 Must 375+	SVOC (TCL) NJ List	PCB (TCL)	PEST (TCL)	NERB (TCL)	Metals (TAL)	Cr III & Cr VI (20 total)	EPH	LAB USE ONLY
1	WC-01 8-16' [redacted]		9/17/19	13:50	TS	C	Soil											X	X	X	X	X	X	X	E101T3
2	WC-01 8-9'			10:55		G										X	X								P46
3	WC-02 8-16'			11:15		C												X	X	X	X	X	X	X	1405
4	WC-02 9-10'			11:28		G										X	X								4098
5	WC-03 8-16'			11:38		C												X	X	X	X	X	X	X	
6	WC-03 10-11'			11:45		G										X	X								
7	WC-04 8-16'			12:01		C												X	X	X	X	X	X	X	
8	WC-04 11-12'			12:08		G										X	X								

Turn Around Time (Business Days)

8 Day Contract
Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [x] Other 8 Day Contract

All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format _____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

H = Hold
Results Compared to Part 375 and NJ List
3 VOC Encore
• 3x5g encore

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

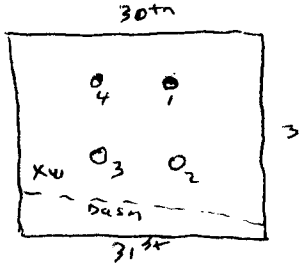
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Todd E Sumett	9/18/19	1 TSm 9/18/19 850	2 TSm 9/18/19 1648		3
3		3	4		4
5		5	Custody Seal #	Intact / Not intact	Preserved where applicable / Absent

On Ice
Cooler Temp. °C
Therm. ID:

INITIAL ASESSMENT JBK

LABEL VERIFICATION _____

~~[redacted]~~ 8-16' Native Sand Layer



N

CIP33

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

SGS Sample Receipt Summary

Job Number: JC95251 **Client:** SOIL MANAGERS **Project:**

Date / Time Received: 9/18/2019 4:48:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.3);

Cooler Temps (Corrected) °C: Cooler 1: (3.2);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

LNT81V, Inc

37-11 30th Street, Queens, NY

SGS Job Number: JC95251

Sampling Date: 09/17/19

Report to:

LNT81V, Inc

tsarett@gmail.com

ATTN: Todd Sarett

Total number of pages in report: 55

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Laura Degenhardt
General Manager

Client Service contact: Ayesha Kapadia 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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Sample Summary

LNT81V, Inc

37-11 30th Street, Queens, NY

Job No: JC95251

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JC95251-1	09/17/19	10:50	TS	09/18/19	SO	Soil	WC-01 8-15'
JC95251-2	09/17/19	10:55	TS	09/18/19	SO	Soil	WC-01 8-9'
JC95251-3	09/17/19	11:15	TS	09/18/19	SO	Soil	WC-02 8-16'
JC95251-4	09/17/19	11:28	TS	09/18/19	SO	Soil	WC-02 9-10'
JC95251-5	09/17/19	11:38	TS	09/18/19	SO	Soil	WC-03 8-16'
JC95251-6	09/17/19	11:45	TS	09/18/19	SO	Soil	WC-03 10-11'
JC95251-7	09/17/19	12:01	TS	09/18/19	SO	Soil	WC-04 8-16'
JC95251-8	09/17/19	12:08	TS	09/18/19	SO	Soil	WC-04 11-12'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC95251
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 09/17/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC95251-1	**WC-01 8-15'**					
Aluminum		6550	61		mg/kg	SW846 6010D
Arsenic		2.5	2.4		mg/kg	SW846 6010D
Barium		27.3	24		mg/kg	SW846 6010D
Beryllium		0.38	0.24		mg/kg	SW846 6010D
Calcium		1030	610		mg/kg	SW846 6010D
Chromium		18.1	1.2		mg/kg	SW846 6010D
Copper		15.7	3.0		mg/kg	SW846 6010D
Iron		11500	61		mg/kg	SW846 6010D
Lead		5.3	2.4		mg/kg	SW846 6010D
Magnesium		2940	610		mg/kg	SW846 6010D
Manganese		318	1.8		mg/kg	SW846 6010D
Nickel		13.6	4.8		mg/kg	SW846 6010D
Vanadium		20.7	6.1		mg/kg	SW846 6010D
Zinc		33.3	6.1		mg/kg	SW846 6010D
Chromium, Hexavalent		1.3	0.49		mg/kg	SW846 3060A/7196A
Chromium, Trivalent [a]		16.8	1.7		mg/kg	SW846 6010/7196A M
JC95251-2	**WC-01 8-9'**					
Methylene chloride		1.3 J	5.6	1.1	ug/kg	SW846 8260C
JC95251-3	**WC-02 8-16'**					
Pentachlorophenol		4.6	1.7	0.98	ug/kg	SW846 8151A
Aluminum		5470	55		mg/kg	SW846 6010D
Barium		25.0	22		mg/kg	SW846 6010D
Beryllium		0.28	0.22		mg/kg	SW846 6010D
Calcium		3520	550		mg/kg	SW846 6010D
Chromium		13.4	1.1		mg/kg	SW846 6010D
Copper		21.0	2.7		mg/kg	SW846 6010D
Iron		8810	55		mg/kg	SW846 6010D
Lead		11.8	2.2		mg/kg	SW846 6010D
Magnesium		3570	550		mg/kg	SW846 6010D
Manganese		216	1.6		mg/kg	SW846 6010D
Nickel		9.5	4.4		mg/kg	SW846 6010D
Vanadium		15.2	5.5		mg/kg	SW846 6010D
Zinc		29.0	5.5		mg/kg	SW846 6010D
Chromium, Trivalent [a]		13.0	1.5		mg/kg	SW846 6010/7196A M
JC95251-4	**WC-02 9-10'**					
Methylene chloride		1.4 J	5.6	1.1	ug/kg	SW846 8260C

Summary of Hits

Job Number: JC95251
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 09/17/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC95251-5	**WC-03 8-16'**					
Indeno(1,2,3-cd)pyrene		19.3 J	35	17	ug/kg	SW846 8270D
Pentachlorophenol		13.4	1.8	0.99	ug/kg	SW846 8151A
Aluminum		5960	55		mg/kg	SW846 6010D
Barium		26.0	22		mg/kg	SW846 6010D
Beryllium		0.33	0.22		mg/kg	SW846 6010D
Calcium		991	550		mg/kg	SW846 6010D
Chromium		10.9	1.1		mg/kg	SW846 6010D
Copper		11.0	2.8		mg/kg	SW846 6010D
Iron		9540	55		mg/kg	SW846 6010D
Lead		6.7	2.2		mg/kg	SW846 6010D
Magnesium		2100	550		mg/kg	SW846 6010D
Manganese		226	1.7		mg/kg	SW846 6010D
Mercury		0.078	0.034		mg/kg	SW846 7471B
Nickel		9.5	4.4		mg/kg	SW846 6010D
Vanadium		15.9	5.5		mg/kg	SW846 6010D
Zinc		32.1	5.5		mg/kg	SW846 6010D
Chromium, Trivalent [a]		10.9	1.5		mg/kg	SW846 6010/7196A M
JC95251-6	**WC-03 10-11'**					
Methylene chloride		2.8 J	6.1	1.2	ug/kg	SW846 8260C
JC95251-7	**WC-04 8-16'**					
Benzo(a)anthracene		16.4 J	36	10	ug/kg	SW846 8270D
Benzo(b)fluoranthene		17.8 J	36	16	ug/kg	SW846 8270D
Chrysene		13.1 J	36	11	ug/kg	SW846 8270D
Fluoranthene		20.7 J	36	16	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		25.7 J	36	17	ug/kg	SW846 8270D
Pyrene		19.2 J	36	11	ug/kg	SW846 8270D
Aluminum		6760	54		mg/kg	SW846 6010D
Barium		26.4	22		mg/kg	SW846 6010D
Beryllium		0.38	0.22		mg/kg	SW846 6010D
Calcium		614	540		mg/kg	SW846 6010D
Chromium		13.0	1.1		mg/kg	SW846 6010D
Copper		9.8	2.7		mg/kg	SW846 6010D
Iron		10800	54		mg/kg	SW846 6010D
Lead		4.2	2.2		mg/kg	SW846 6010D
Magnesium		2200	540		mg/kg	SW846 6010D
Manganese		234	1.6		mg/kg	SW846 6010D
Nickel		10.4	4.3		mg/kg	SW846 6010D
Vanadium		16.4	5.4		mg/kg	SW846 6010D
Zinc		23.5	5.4		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC95251
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 09/17/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium, Hexavalent		0.46	0.43		mg/kg	SW846 3060A/7196A
Chromium, Trivalent [a]		12.5	1.5		mg/kg	SW846 6010/7196A M
JC95251-8	**WC-04 11-12'**					
Methylene chloride		1.4 J	5.7	1.1	ug/kg	SW846 8260C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	81.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P131800.D	1	09/25/19 07:41	CS	09/24/19 16:30	OP22921	EP5979
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	81	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	72	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	81	26	ug/kg	
	3&4-Methylphenol	ND	81	33	ug/kg	
88-75-5	2-Nitrophenol	ND	200	27	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	81	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene	ND	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.7	ug/kg	
120-12-7	Anthracene	ND	40	25	ug/kg	
1912-24-9	Atrazine	ND	81	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	40	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	81	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	81	9.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	81	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	81	9.6	ug/kg	
106-47-8	4-Chloroaniline	ND	200	15	ug/kg	
86-74-8	Carbazole	ND	81	5.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	81.8
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	81	16	ug/kg	
218-01-9	Chrysene	ND	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	81	8.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	81	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	81	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	81	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	81	34	ug/kg	
123-91-1	1,4-Dioxane	ND	40	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	81	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	81	6.6	ug/kg	
117-84-0	Di-n-octyl phthalate [a]	ND	81	10	ug/kg	
84-66-2	Diethyl phthalate	ND	81	8.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	81	7.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	81	9.4	ug/kg	
206-44-0	Fluoranthene	ND	40	18	ug/kg	
86-73-7	Fluorene	ND	40	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	81	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40	19	ug/kg	
78-59-1	Isophorone	ND	81	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	9.1	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.5	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	81	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	81	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	ND	40	14	ug/kg	
129-00-0	Pyrene	ND	40	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	81.8
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	78%		27-114%
118-79-6	2,4,6-Tribromophenol	78%		19-152%
4165-60-0	Nitrobenzene-d5	76%		26-134%
321-60-8	2-Fluorobiphenyl	76%		39-124%
1718-51-0	Terphenyl-d14	92%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.98	780	ug/kg	J
	system artifact	19.01	190	ug/kg	J
	system artifact	20.38	180	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8151A SW846 3546	**Percent Solids:**	81.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA142742.D	1	09/30/19 16:33	VDT	09/24/19 09:50	OP22924	GOA4933
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	20	5.1	ug/kg	
93-72-1	2,4,5-TP (Silvex) [a]	ND	4.0	3.6	ug/kg	
93-76-5	2,4,5-T	ND	4.0	3.3	ug/kg	
75-99-0	Dalapon	ND	4.0	3.7	ug/kg	
1918-00-9	Dicamba	ND	4.0	3.3	ug/kg	
120-36-5	Dichloroprop	ND	20	15	ug/kg	
88-85-7	Dinoseb	ND	20	9.8	ug/kg	
94-74-6	MCPA	ND	2000	360	ug/kg	
93-65-2	MCPP [a]	ND	2000	610	ug/kg	
87-86-5	Pentachlorophenol	ND	2.0	1.1	ug/kg	
94-82-6	2,4-DB	ND	20	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	60%		10-159%
19719-28-9	2,4-DCAA	57%		10-159%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	81.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G156102.D	1	09/27/19 02:39	CP	09/26/19 10:00	OP22918	G1G5085
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.79	0.65	ug/kg	
319-84-6	alpha-BHC	ND	0.79	0.64	ug/kg	
319-85-7	beta-BHC	ND	0.79	0.71	ug/kg	
319-86-8	delta-BHC	ND	0.79	0.76	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.79	0.58	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.79	0.64	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.79	0.36	ug/kg	
60-57-1	Dieldrin	ND	0.79	0.54	ug/kg	
72-54-8	4,4'-DDD	ND	0.79	0.72	ug/kg	
72-55-9	4,4'-DDE	ND	0.79	0.69	ug/kg	
50-29-3	4,4'-DDT	ND	0.79	0.70	ug/kg	
72-20-8	Endrin	ND	0.79	0.61	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.79	0.62	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.79	0.45	ug/kg	
959-98-8	Endosulfan-I	ND	0.79	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	0.79	0.49	ug/kg	
76-44-8	Heptachlor	ND	0.79	0.68	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.79	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	0.79	0.57	ug/kg	
8001-35-2	Toxaphene	ND	20	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		25-135%
877-09-8	Tetrachloro-m-xylene	64%		25-135%
2051-24-3	Decachlorobiphenyl	76%		10-156%
2051-24-3	Decachlorobiphenyl	63%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	81.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G91533.D	1	09/27/19 02:26	RK	09/26/19 10:00	OP22919	G5G2224
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	18	ug/kg	
11104-28-2	Aroclor 1221	ND	39	24	ug/kg	
11141-16-5	Aroclor 1232	ND	39	25	ug/kg	
53469-21-9	Aroclor 1242	ND	39	16	ug/kg	
12672-29-6	Aroclor 1248	ND	39	35	ug/kg	
11097-69-1	Aroclor 1254	ND	39	21	ug/kg	
11096-82-5	Aroclor 1260	ND	39	17	ug/kg	
11100-14-4	Aroclor 1268	ND	39	17	ug/kg	
37324-23-5	Aroclor 1262	ND	39	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		31-146%
877-09-8	Tetrachloro-m-xylene	87%		31-146%
2051-24-3	Decachlorobiphenyl	86%		17-164%
2051-24-3	Decachlorobiphenyl	88%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	81.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Z55672.D	1	09/27/19 04:20	CP	09/26/19 10:45	OP22923	G5Z1731
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	8.1	2.4	mg/kg	
	EPH (> C28-C40)	ND	8.1	2.4	mg/kg	
	Total EPH (C9-C40)	ND	8.1	2.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	48%		40-140%
3386-33-2	1-Chlorooctadecane	45%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: WC-01 8-15'
Lab Sample ID: JC95251-1
Matrix: SO - Soil
Project: 37-11 30th Street, Queens, NY

Date Sampled: 09/17/19
Date Received: 09/18/19
Percent Solids: 81.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6550	61	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 2.4	2.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	2.5	2.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	27.3	24	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.38	0.24	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.61	0.61	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	1030	610	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	18.1	1.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	< 6.1	6.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	15.7	3.0	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	11500	61	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	5.3	2.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	2940	610	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	318	1.8	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	09/27/19	09/27/19	CH	SW846 7471B [2]	SW846 7471B [4]
Nickel	13.6	4.8	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.61	0.61	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	20.7	6.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	33.3	6.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA47511
(2) Instrument QC Batch: MA47516
(3) Prep QC Batch: MP17477
(4) Prep QC Batch: MP17544

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-01 8-15'		
Lab Sample ID:	JC95251-1	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	81.8
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.3	0.49	mg/kg	1	10/02/19 10:48	RI	SW846 3060A/7196A
Chromium, Trivalent [a]	16.8	1.7	mg/kg	1	10/02/19 10:48	RI	SW846 6010/7196A M
Solids, Percent	81.8		%	1	09/29/19 15:30	BG	SM2540 G 18TH ED MOD

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-01 8-9'		
Lab Sample ID:	JC95251-2	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I228667.D	1	09/29/19 17:44	TDN	09/19/19 09:00	n/a	VI9221
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.5	ug/kg	
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform	ND	5.6	0.65	ug/kg	
74-83-9	Bromomethane	ND	5.6	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.67	ug/kg	
67-66-3	Chloroform	ND	2.3	0.55	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.74	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.94	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.63	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.82	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.95	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.62	ug/kg	
76-13-1	Freon 113	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-01 8-9'		
Lab Sample ID:	JC95251-2	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.5
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.78	ug/kg	
79-20-9	Methyl Acetate [a]	ND	5.6	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	0.99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.6	ug/kg	
75-09-2	Methylene chloride	1.3	5.6	1.1	ug/kg	J
100-42-5	Styrene	ND	2.3	0.65	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.65	ug/kg	
108-88-3	Toluene	ND	1.1	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.62	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.86	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.77	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.54	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.66	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-127%
17060-07-0	1,2-Dichloroethane-D4	121%		75-130%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	99%		79-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P89887.D	1	09/26/19 03:20	CS	09/25/19 05:00	OP22922	E2P3978
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.4
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	69	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	8.1	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.0	ug/kg	
91-20-3	Naphthalene	ND	35	9.8	ug/kg	
98-95-3	Nitrobenzene	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	ND	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.4
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	59%		19-152%
4165-60-0	Nitrobenzene-d5	71%		26-134%
321-60-8	2-Fluorobiphenyl	59%		39-124%
1718-51-0	Terphenyl-d14	81%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.54	660	ug/kg	J
	system artifact	17.59	150	ug/kg	J
	system artifact	18.30	230	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8151A SW846 3546	**Percent Solids:**	95.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA142743.D	1	09/30/19 17:01	VDT	09/24/19 09:50	OP22924	GOA4933
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	4.4	ug/kg	
93-72-1	2,4,5-TP (Silvex) [a]	ND	3.5	3.1	ug/kg	
93-76-5	2,4,5-T	ND	3.5	2.8	ug/kg	
75-99-0	Dalapon	ND	3.5	3.2	ug/kg	
1918-00-9	Dicamba	ND	3.5	2.8	ug/kg	
120-36-5	Dichloroprop	ND	17	13	ug/kg	
88-85-7	Dinoseb	ND	17	8.4	ug/kg	
94-74-6	MCPA	ND	1700	310	ug/kg	
93-65-2	MCPP [a]	ND	1700	520	ug/kg	
87-86-5	Pentachlorophenol	4.6	1.7	0.98	ug/kg	
94-82-6	2,4-DB	ND	17	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	24%		10-159%
19719-28-9	2,4-DCAA	19%		10-159%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	95.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G961930.D	1	09/28/19 15:14	RK	09/26/19 10:00	OP22918	G4G2869
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.64	0.53	ug/kg	
319-84-6	alpha-BHC	ND	0.64	0.52	ug/kg	
319-85-7	beta-BHC	ND	0.64	0.58	ug/kg	
319-86-8	delta-BHC	ND	0.64	0.61	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.64	0.47	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.64	0.52	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.64	0.29	ug/kg	
60-57-1	Dieldrin	ND	0.64	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	0.64	0.59	ug/kg	
72-55-9	4,4'-DDE	ND	0.64	0.56	ug/kg	
50-29-3	4,4'-DDT	ND	0.64	0.57	ug/kg	
72-20-8	Endrin	ND	0.64	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.64	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.64	0.36	ug/kg	
959-98-8	Endosulfan-I	ND	0.64	0.37	ug/kg	
33213-65-9	Endosulfan-II	ND	0.64	0.40	ug/kg	
76-44-8	Heptachlor	ND	0.64	0.55	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.64	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.51	ug/kg	
53494-70-5	Endrin ketone	ND	0.64	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		25-135%
877-09-8	Tetrachloro-m-xylene	103%		25-135%
2051-24-3	Decachlorobiphenyl	80%		10-156%
2051-24-3	Decachlorobiphenyl	77%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G91534.D	1	09/27/19 02:58	RK	09/26/19 10:00	OP22919	G5G2224
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	15	ug/kg	
11104-28-2	Aroclor 1221	ND	32	20	ug/kg	
11141-16-5	Aroclor 1232	ND	32	20	ug/kg	
53469-21-9	Aroclor 1242	ND	32	13	ug/kg	
12672-29-6	Aroclor 1248	ND	32	29	ug/kg	
11097-69-1	Aroclor 1254	ND	32	17	ug/kg	
11096-82-5	Aroclor 1260	ND	32	14	ug/kg	
11100-14-4	Aroclor 1268	ND	32	13	ug/kg	
37324-23-5	Aroclor 1262	ND	32	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%		31-146%
877-09-8	Tetrachloro-m-xylene	117%		31-146%
2051-24-3	Decachlorobiphenyl	113%		17-164%
2051-24-3	Decachlorobiphenyl	118%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	95.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Z55673.D	1	09/27/19 04:54	CP	09/26/19 10:45	OP22923	G5Z1731
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	6.6	2.0	mg/kg	
	EPH (> C28-C40)	ND	6.6	2.0	mg/kg	
	Total EPH (C9-C40)	ND	6.6	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	41%		40-140%
3386-33-2	1-Chlorooctadecane	40%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	95.4
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5470	55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	25.0	22	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.28	0.22	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	3520	550	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	13.4	1.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	21.0	2.7	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	8810	55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	11.8	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	3570	550	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	216	1.6	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	09/27/19	09/27/19	CH	SW846 7471B [2]	SW846 7471B [4]
Nickel	9.5	4.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	15.2	5.5	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	29.0	5.5	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA47511
(2) Instrument QC Batch: MA47516
(3) Prep QC Batch: MP17477
(4) Prep QC Batch: MP17544

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-02 8-16'		
Lab Sample ID:	JC95251-3	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	95.4
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	10/02/19 10:48	RI	SW846 3060A/7196A
Chromium, Trivalent [a]	13.0	1.5	mg/kg	1	10/02/19 10:48	RI	SW846 6010/7196A M
Solids, Percent	95.4		%	1	09/29/19 15:30	BG	SM2540 G 18TH ED MOD

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-02 9-10'		
Lab Sample ID:	JC95251-4	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I228668.D	1	09/29/19 18:13	TDN	09/19/19 09:00	n/a	VI9221
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.5	ug/kg	
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.50	ug/kg	
75-25-2	Bromoform	ND	5.6	0.65	ug/kg	
74-83-9	Bromomethane	ND	5.6	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.55	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.74	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.94	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.63	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.82	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.62	ug/kg	
76-13-1	Freon 113	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-02 9-10'		
Lab Sample ID:	JC95251-4	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.6
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	0.78	ug/kg	
79-20-9	Methyl Acetate [a]	ND	5.6	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.6	ug/kg	
75-09-2	Methylene chloride	1.4	5.6	1.1	ug/kg	J
100-42-5	Styrene	ND	2.2	0.65	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.65	ug/kg	
108-88-3	Toluene	ND	1.1	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.62	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.86	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.77	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.54	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.66	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-127%
17060-07-0	1,2-Dichloroethane-D4	124%		75-130%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	101%		79-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P89885.D	1	09/26/19 02:31	CS	09/25/19 05:00	OP22922	E2P3978
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.6	ug/kg	
120-12-7	Anthracene	ND	35	22	ug/kg	
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.6	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.4	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	70	5.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.4
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	70	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	16	ug/kg	
132-64-9	Dibenzofuran	ND	70	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	8.2	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	8.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	19.3	35	17	ug/kg	J
78-59-1	Isophorone	ND	70	7.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	8.0	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.1	ug/kg	
91-20-3	Naphthalene	ND	35	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	70	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	ND	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		23-115%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.4
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	62%		19-152%
4165-60-0	Nitrobenzene-d5	71%		26-134%
321-60-8	2-Fluorobiphenyl	57%		39-124%
1718-51-0	Terphenyl-d14	80%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.54	280	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8151A SW846 3546	**Percent Solids:**	94.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA142744.D	1	09/30/19 17:30	VDT	09/24/19 09:50	OP22924	GOA4933
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	4.5	ug/kg	
93-72-1	2,4,5-TP (Silvex) [a]	ND	3.5	3.2	ug/kg	
93-76-5	2,4,5-T	ND	3.5	2.9	ug/kg	
75-99-0	Dalapon	ND	3.5	3.2	ug/kg	
1918-00-9	Dicamba	ND	3.5	2.8	ug/kg	
120-36-5	Dichloroprop	ND	18	13	ug/kg	
88-85-7	Dinoseb	ND	18	8.5	ug/kg	
94-74-6	MCPA	ND	1800	320	ug/kg	
93-65-2	MCPP [a]	ND	1800	530	ug/kg	
87-86-5	Pentachlorophenol	13.4	1.8	0.99	ug/kg	
94-82-6	2,4-DB	ND	18	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	31%		10-159%
19719-28-9	2,4-DCAA	29%		10-159%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G961931.D	1	09/28/19 15:31	RK	09/26/19 10:00	OP22918	G4G2869
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.65	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.65	0.53	ug/kg	
319-85-7	beta-BHC	ND	0.65	0.59	ug/kg	
319-86-8	delta-BHC	ND	0.65	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.65	0.48	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.65	0.53	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.65	0.30	ug/kg	
60-57-1	Dieldrin	ND	0.65	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	0.65	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	0.65	0.57	ug/kg	
50-29-3	4,4'-DDT	ND	0.65	0.58	ug/kg	
72-20-8	Endrin	ND	0.65	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.65	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.65	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.65	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.65	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.65	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.65	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	0.65	0.47	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		25-135%
877-09-8	Tetrachloro-m-xylene	91%		25-135%
2051-24-3	Decachlorobiphenyl	68%		10-156%
2051-24-3	Decachlorobiphenyl	66%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G91535.D	1	09/27/19 03:31	RK	09/26/19 10:00	OP22919	G5G2224
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	13	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		31-146%
877-09-8	Tetrachloro-m-xylene	104%		31-146%
2051-24-3	Decachlorobiphenyl	106%		17-164%
2051-24-3	Decachlorobiphenyl	106%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	94.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Z63942.D	1	10/03/19 17:49	SH	10/03/19 09:40	OP23090	G4Z2030
Run #2 [b]	5Z55674.D	1	09/27/19 05:30	CP	09/26/19 10:45	OP22923	G5Z1731

	Initial Weight	Final Volume
Run #1	15.6 g	2.0 ml
Run #2	15.9 g	2.0 ml

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	6.8	2.0	mg/kg	
	EPH (> C28-C40)	ND	6.8	2.0	mg/kg	
	Total EPH (C9-C40)	ND	6.8	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	51%	41%	40-140%
3386-33-2	1-Chlorooctadecane	50%	39% [c]	40-140%

(a) Re-extracted for low surrogate recovery. Originally prep date was within holding time.
(b) Confirmation run.
(c) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	94.4
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5960	55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	26.0	22	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.33	0.22	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	991	550	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	10.9	1.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	11.0	2.8	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	9540	55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	6.7	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	2100	550	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	226	1.7	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	0.078	0.034	mg/kg	1	09/27/19	09/27/19	CH	SW846 7471B [2]	SW846 7471B [4]
Nickel	9.5	4.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	15.9	5.5	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	32.1	5.5	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA47511
(2) Instrument QC Batch: MA47516
(3) Prep QC Batch: MP17477
(4) Prep QC Batch: MP17544

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-03 8-16'		
Lab Sample ID:	JC95251-5	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	94.4
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	10/02/19 10:48	RI	SW846 3060A/7196A
Chromium, Trivalent [a]	10.9	1.5	mg/kg	1	10/02/19 10:48	RI	SW846 6010/7196A M
Solids, Percent	94.4		%	1	09/29/19 15:30	BG	SM2540 G 18TH ED MOD

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-03 10-11'		
Lab Sample ID:	JC95251-6	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I228669.D	1	09/29/19 18:42	TDN	09/19/19 09:00	n/a	VI9221
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.9	ug/kg	
71-43-2	Benzene	ND	0.61	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.68	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.54	ug/kg	
75-25-2	Bromoform	ND	6.1	0.71	ug/kg	
74-83-9	Bromomethane	ND	6.1	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	4.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.56	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.72	ug/kg	
67-66-3	Chloroform	ND	2.4	0.60	ug/kg	
74-87-3	Chloromethane	ND	6.1	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.80	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.68	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.67	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.60	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	0.89	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.57	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.58	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.68	ug/kg	
76-13-1	Freon 113	ND	6.1	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.1	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-03 10-11'		
Lab Sample ID:	JC95251-6	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.9
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	0.85	ug/kg	
79-20-9	Methyl Acetate [a]	ND	6.1	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.57	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	2.8	ug/kg	
75-09-2	Methylene chloride	2.8	6.1	1.2	ug/kg	J
100-42-5	Styrene	ND	2.4	0.70	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.73	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.71	ug/kg	
108-88-3	Toluene	ND	1.2	0.64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.68	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.93	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.84	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.59	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.71	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-127%
17060-07-0	1,2-Dichloroethane-D4	121%		75-130%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	99%		79-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P89886.D	1	09/26/19 02:55	CS	09/25/19 05:00	OP22922	E2P3978
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	95	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	71	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	16.4	36	10	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	17.8	36	16	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	71	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	71	14	ug/kg	
218-01-9	Chrysene	13.1	36	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	71	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	71	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	8.4	ug/kg	
206-44-0	Fluoranthene	20.7	36	16	ug/kg	J
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	9.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	25.7	36	17	ug/kg	J
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.4	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.9	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	19.2	36	11	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		23-115%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		27-114%
118-79-6	2,4,6-Tribromophenol	51%		19-152%
4165-60-0	Nitrobenzene-d5	61%		26-134%
321-60-8	2-Fluorobiphenyl	50%		39-124%
1718-51-0	Terphenyl-d14	68%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.54	650	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8151A SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA142745.D	1	09/30/19 17:58	VDT	09/24/19 09:50	OP22924	GOA4933
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	4.6	ug/kg	
93-72-1	2,4,5-TP (Silvex) [a]	ND	3.6	3.2	ug/kg	
93-76-5	2,4,5-T	ND	3.6	2.9	ug/kg	
75-99-0	Dalapon	ND	3.6	3.3	ug/kg	
1918-00-9	Dicamba	ND	3.6	2.9	ug/kg	
120-36-5	Dichloroprop	ND	18	14	ug/kg	
88-85-7	Dinoseb	ND	18	8.7	ug/kg	
94-74-6	MCPA	ND	1800	320	ug/kg	
93-65-2	MCPP [a]	ND	1800	540	ug/kg	
87-86-5	Pentachlorophenol	ND	1.8	1.0	ug/kg	
94-82-6	2,4-DB	ND	18	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	23%		10-159%
19719-28-9	2,4-DCAA	22%		10-159%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G961932.D	1	09/28/19 15:48	RK	09/26/19 10:00	OP22918	G4G2869
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.69	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.69	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	0.69	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.69	0.61	ug/kg	
72-20-8	Endrin	ND	0.69	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		25-135%
877-09-8	Tetrachloro-m-xylene	90%		25-135%
2051-24-3	Decachlorobiphenyl	74%		10-156%
2051-24-3	Decachlorobiphenyl	70%		10-156%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G91540.D	1	09/27/19 06:12	RK	09/26/19 10:00	OP22919	G5G2224
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		31-146%
877-09-8	Tetrachloro-m-xylene	104%		31-146%
2051-24-3	Decachlorobiphenyl	102%		17-164%
2051-24-3	Decachlorobiphenyl	106%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Z55675.D	1	09/27/19 06:04	CP	09/26/19 10:45	OP22923	G5Z1731
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.1	2.1	mg/kg	
	EPH (> C28-C40)	ND	7.1	2.1	mg/kg	
	Total EPH (C9-C40)	ND	7.1	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	58%		40-140%
3386-33-2	1-Chlorooctadecane	55%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: WC-04 8-16'
Lab Sample ID: JC95251-7
Matrix: SO - Soil
Project: 37-11 30th Street, Queens, NY

Date Sampled: 09/17/19
Date Received: 09/18/19
Percent Solids: 92.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6760	54	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	26.4	22	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.38	0.22	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	614	540	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	13.0	1.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	< 5.4	5.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	9.8	2.7	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	10800	54	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	4.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	2200	540	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	234	1.6	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	09/27/19	09/27/19	CH	SW846 7471B [2]	SW846 7471B [4]
Nickel	10.4	4.3	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	16.4	5.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	23.5	5.4	mg/kg	1	09/24/19	09/25/19	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA47511
(2) Instrument QC Batch: MA47516
(3) Prep QC Batch: MP17477
(4) Prep QC Batch: MP17544

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-04 8-16'		
Lab Sample ID:	JC95251-7	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
		Percent Solids:	92.7
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.46	0.43	mg/kg	1	10/02/19 10:48	RI	SW846 3060A/7196A
Chromium, Trivalent [a]	12.5	1.5	mg/kg	1	10/02/19 10:48	RI	SW846 6010/7196A M
Solids, Percent	92.7		%	1	09/29/19 15:30	BG	SM2540 G 18TH ED MOD

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-04 11-12'		
Lab Sample ID:	JC95251-8	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I228670.D	1	09/29/19 19:11	TDN	09/19/19 09:00	n/a	VI9221
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.6	ug/kg	
71-43-2	Benzene	ND	0.57	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.64	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.51	ug/kg	
75-25-2	Bromoform	ND	5.7	0.66	ug/kg	
74-83-9	Bromomethane	ND	5.7	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.3	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.71	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.53	ug/kg	
75-00-3	Chloroethane	ND	5.7	0.68	ug/kg	
67-66-3	Chloroform	ND	2.3	0.56	ug/kg	
74-87-3	Chloromethane	ND	5.7	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.96	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.64	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.63	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.57	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.57	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	0.83	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.57	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.70	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.54	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.63	ug/kg	
76-13-1	Freon 113	ND	5.7	1.2	ug/kg	
591-78-6	2-Hexanone	ND	5.7	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WC-04 11-12'		
Lab Sample ID:	JC95251-8	**Date Sampled:**	09/17/19
Matrix:	SO - Soil	**Date Received:**	09/18/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.9
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.80	ug/kg	
79-20-9	Methyl Acetate [a]	ND	5.7	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.54	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	2.6	ug/kg	
75-09-2	Methylene chloride	1.4	5.7	1.1	ug/kg	J
100-42-5	Styrene	ND	2.3	0.66	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.69	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.66	ug/kg	
108-88-3	Toluene	ND	1.1	0.60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.63	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.87	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.78	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.55	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.67	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-127%
17060-07-0	1,2-Dichloroethane-D4	124%		75-130%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	100%		79-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: JC95251
Account: LNTNJWO LNT81V, Inc
Project: 37-11 30th Street, Queens, NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Chromium, Trivalent		**SW846 6010/7196A M**	SO	SGS is not certified for this parameter.[a]

(a) Lab cert for analyte not supported by NJDEP, OQA. Only methods/analytes required for reporting by the State of NJ can be certified in NJ. Use of this analyte for compliance must be verified through the appropriate regulatory office.

Certification exceptions shown are based on the New Jersey DEP certifications. Applicability in other states may vary. Please contact your laboratory representative if additional information is required for a specific regulatory program.

SO
SCL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: AK-037219-92
SGS Quote #:
SGS Job #: JC95251

Client / Reporting Information

Company Name: Soil Managers
Street Address: 47 Warren Road
City: West Orange State: NJ Zip: 07052
Project Contact: Todd E Sumutt E-mail: Tsumutt@gmail.com
Phone #: 973-222-0145
Sampler(s) Name(s): TODD E. Sumutt Phone #:

Project Information

Project Name: 37-11 30th Street, LIC NY
Street: 37-11 30th Street
City: LIC State: NY
Project #: 973-222-0145
Client Purchase Order #:
Project Manager: Todd E. Sumutt

Billing Information (if different from Report to)

Company Name: Soil Managers
Street Address: 47 Warren Road
City: West Orange State: NJ Zip: 07052
Attention: Todd E. Sumutt

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	8260 Extend Grab SGS NJ List	SVOC (TCL) NJ List	PCB (TCL)	PEST (TCL)	HERBS (TCL)	Metals (TAL)	Cr III & Cr VI (No Cr6)	EPH	LAB USE ONLY
1	WC-01 8-16'		9/17/19	10:50	TS	C	So.lg											X	X	X	X	X	X	X	E101T3
2	WC-01 8-9'			10:55		G										X	X								P46
3	WC-02 8-16'			11:15		C												X	X	X	X	X	X	X	1405
4	WC-02 9-10'			11:28		G										X	X								4098
5	WC-03 8-16'			11:38		C												X	X	X	X	X	X	X	
6	WC-03 10-11'			11:45		G										X	X								
7	WC-04 8-16'			12:01		C												X	X	X	X	X	X	X	
8	WC-04 11-12'			12:08		G										X	X								

Turn Around Time (Business Days)

8 Day Contract
Approved By (SGS PM): / Date:
☐ 10 Business Days
☐ 5 Business Days
☐ 3 Business Days*
☐ 2 Business Days*
☐ 1 Business Day*
☑ Other 8 Day Contract
All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable

☐ Commercial "A" (Level 1)
☐ Commercial "B" (Level 2)
☐ NJ Reduced (Level 3)
☐ Full Tier I (Level 4)
☐ Commercial "C"
☐ NJ DKQP
☐ NYASP Category A
☐ NYASP Category B
☐ MA MCP Criteria_____
☐ CT RCP Criteria_____
☐ State Forms
☐ EDD Format _____
☐ DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

H = Hold
Results Compared to Part 375 and NJ List
3 VOC Encore
• 3 x 5g encore

http://www.sgs.com/en/terms-and-conditions

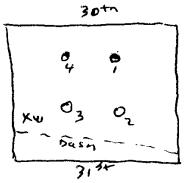
Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Todd E. Sumutt	9/18/19	1 TSchn	2 TSchn 9/18/19	8:55	3 9/18/19 1648
3		3	4		4
5		5	Custody Seal #	Intact / Not intact	Preserved where applicable / Absent / On Ice / Therm. ID: / Cooler Temp. °C

INITIAL ASESSMENT JBJ

LABEL VERIFICATION _____

~~0'-~~ 9-16' Native Sand Layer



CIP33

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

SGS Sample Receipt Summary

Job Number: JC95251 **Client:** SOIL MANAGERS **Project:**

Date / Time Received: 9/18/2019 4:48:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.3);

Cooler Temps (Corrected) °C: Cooler 1: (3.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JC95251: Chain of Custody
Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

LNT81V, Inc

37-11 30th Street, Queens, NY

SGS Job Number: JC92959

Sampling Date: 08/07/19

Report to:

LNT81V, Inc

tsarett@gmail.com

ATTN: Todd Sarett

Total number of pages in report: 172

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Ayesha Kapadia 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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Sample Summary

LNT81V, Inc

37-11 30th Street, Queens, NY

Job No: JC92959

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JC92959-1	08/07/19	11:28		08/08/19	SO	Soil	CD-7-WC(0-5')
JC92959-2	08/07/19	11:30		08/08/19	SO	Soil	CD-7-WC(3-4')
JC92959-3	08/07/19	11:35		08/08/19	SO	Soil	CD-7-WC(5-10')
JC92959-4	08/07/19	11:40		08/08/19	SO	Soil	CD-7-WC(6-7')
JC92959-5	08/07/19	11:43		08/08/19	SO	Soil	CD-7-WC(10-15')
JC92959-6	08/07/19	11:45		08/08/19	SO	Soil	CD-7-WC(14-15')
JC92959-7	08/07/19	11:47		08/08/19	SO	Soil	CD-6-WC(0-8')
JC92959-8	08/07/19	11:51		08/08/19	SO	Soil	CD-6-WC(7-8')
JC92959-9	08/07/19	11:53		08/08/19	SO	Soil	CD-6-WC(8-16')
JC92959-10	08/07/19	11:57		08/08/19	SO	Soil	CD-6-WC(9-10')
JC92959-11	08/07/19	12:01		08/08/19	SO	Soil	CD-5-WC(0-8')
JC92959-12	08/07/19	12:05		08/08/19	SO	Soil	CD-5-WC(5-6')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

LNT81V, Inc

37-11 30th Street, Queens, NY

Job No: JC92959

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC92959-13	08/07/19	12:32		08/08/19	SO	Soil	CD-5-WC(8-16')
JC92959-14	08/07/19	12:35		08/08/19	SO	Soil	CD-5-WC(9-10')
JC92959-15	08/07/19	12:40		08/08/19	SO	Soil	CD-4-WC(0-8')
JC92959-16	08/07/19	12:42		08/08/19	SO	Soil	CD-4-WC(5-6')
JC92959-17	08/07/19	12:45		08/08/19	SO	Soil	CD-4-WC(8-16')
JC92959-18	08/07/19	12:50		08/08/19	SO	Soil	CD-4-WC(9-10')
JC92959-19	08/07/19	12:53		08/08/19	SO	Soil	CD-3-WC(0-8')
JC92959-20	08/07/19	12:57		08/08/19	SO	Soil	CD-3-WC(5-6')
JC92959-21	08/07/19	13:00		08/08/19	SO	Soil	CD-3-WC(8-16')
JC92959-22	08/07/19	13:05		08/08/19	SO	Soil	CD-3-WC(9-10')
JC92959-23	08/07/19	13:10		08/08/19	SO	Soil	CD-2-WC(0-8')
JC92959-24	08/07/19	13:14		08/08/19	SO	Soil	CD-2-WC(5-6')
JC92959-25	08/07/19	12:09		08/08/19	SO	Soil	CD-2-WC(8-16')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

LNT81V, Inc

37-11 30th Street, Queens, NY

Job No: JC92959

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JC92959-26	08/07/19	12:13		08/08/19	SO	Soil	CD-2-WC(9-10')
JC92959-27	08/07/19	12:17		08/08/19	SO	Soil	CD-1-WC(0-8')
JC92959-28	08/07/19	12:21		08/08/19	SO	Soil	CD-1-WC(5-6')
JC92959-29	08/07/19	12:24		08/08/19	SO	Soil	CD-1-WC(8-16')
JC92959-30	08/07/19	12:30		08/08/19	SO	Soil	CD-1-WC(9-10')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC92959-1	**CD-7-WC(0-5')**					
Acenaphthene		26.8 J	34	12	ug/kg	SW846 8270D
Anthracene		54.1	34	21	ug/kg	SW846 8270D
Benzo(a)anthracene		144	34	9.7	ug/kg	SW846 8270D
Benzo(a)pyrene		137	34	16	ug/kg	SW846 8270D
Benzo(b)fluoranthene		175	34	15	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		92.5	34	17	ug/kg	SW846 8270D
Benzo(k)fluoranthene		58.2	34	16	ug/kg	SW846 8270D
1,1'-Biphenyl		5.2 J	68	4.7	ug/kg	SW846 8270D
Carbazole		31.0 J	68	4.9	ug/kg	SW846 8270D
Chrysene		125	34	11	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		24.5 J	34	15	ug/kg	SW846 8270D
Dibenzofuran		18.9 J	68	14	ug/kg	SW846 8270D
Fluoranthene		373	34	15	ug/kg	SW846 8270D
Fluorene		24.7 J	34	16	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		114	34	16	ug/kg	SW846 8270D
2-Methylnaphthalene		8.3 J	34	7.7	ug/kg	SW846 8270D
Naphthalene		20.3 J	34	9.6	ug/kg	SW846 8270D
Phenanthrene		294	34	11	ug/kg	SW846 8270D
Pyrene		284	34	11	ug/kg	SW846 8270D
4,4'-DDT		1.2	0.67	0.60	ug/kg	SW846 8081B
Aluminum		8900	51		mg/kg	SW846 6010D
Arsenic		3.4	2.0		mg/kg	SW846 6010D
Barium		48.5	20		mg/kg	SW846 6010D
Beryllium		0.36	0.20		mg/kg	SW846 6010D
Calcium		1480	510		mg/kg	SW846 6010D
Chromium		15.0	1.0		mg/kg	SW846 6010D
Cobalt		5.9	5.1		mg/kg	SW846 6010D
Copper		19.2	2.5		mg/kg	SW846 6010D
Iron		14100	51		mg/kg	SW846 6010D
Lead		46.6	2.0		mg/kg	SW846 6010D
Magnesium		3110	510		mg/kg	SW846 6010D
Manganese		312	1.5		mg/kg	SW846 6010D
Mercury		0.13	0.036		mg/kg	SW846 7471B
Nickel		14.7	4.1		mg/kg	SW846 6010D
Vanadium		20.8	5.1		mg/kg	SW846 6010D
Zinc		68.5	10		mg/kg	SW846 6010D
Chromium, Hexavalent		0.92	0.43		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		358			mv	ASTM D1498-76M
pH		7.94			su	SW846 9045D
JC92959-2	**CD-7-WC(3-4')**					
Acetone		17.7	11	4.4	ug/kg	SW846 8260C

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Methylene chloride		9.2	5.5	1.1	ug/kg	SW846 8260C
EPH (C9-C28)		16.9	7.3	2.2	mg/kg	NJDEP EPH
Total EPH (C9-C40)		16.9	7.3	2.2	mg/kg	NJDEP EPH
JC92959-3	**CD-7-WC(5-10')**					
Aluminum		5230	55		mg/kg	SW846 6010D
Barium		51.3	22		mg/kg	SW846 6010D
Beryllium		0.24	0.22		mg/kg	SW846 6010D
Calcium		2290	550		mg/kg	SW846 6010D
Chromium		11.6	1.1		mg/kg	SW846 6010D
Copper		11.3	2.7		mg/kg	SW846 6010D
Iron		9500	55		mg/kg	SW846 6010D
Lead		5.4	2.2		mg/kg	SW846 6010D
Magnesium		3070	550		mg/kg	SW846 6010D
Manganese		220	1.6		mg/kg	SW846 6010D
Nickel		10.6	4.4		mg/kg	SW846 6010D
Vanadium		15.7	5.5		mg/kg	SW846 6010D
Zinc		31.2	11		mg/kg	SW846 6010D
Redox Potential Vs H2		338			mv	ASTM D1498-76M
pH		7.13			su	SW846 9045D
JC92959-4	**CD-7-WC(6-7')**					
Acetone		29.9	11	4.4	ug/kg	SW846 8260C
Methylene chloride		9.4	5.5	1.1	ug/kg	SW846 8260C
JC92959-5	**CD-7-WC(10-15')**					
Benzo(a)anthracene		25.4 J	34	9.6	ug/kg	SW846 8270D
Benzo(a)pyrene		26.0 J	34	16	ug/kg	SW846 8270D
Benzo(b)fluoranthene		27.6 J	34	15	ug/kg	SW846 8270D
Chrysene		22.8 J	34	11	ug/kg	SW846 8270D
Fluoranthene		57.3	34	15	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		47.7	34	16	ug/kg	SW846 8270D
Phenanthrene		36.4	34	11	ug/kg	SW846 8270D
Pyrene		46.0	34	11	ug/kg	SW846 8270D
Aluminum		5320	55		mg/kg	SW846 6010D
Barium		28.1	22		mg/kg	SW846 6010D
Beryllium		0.26	0.22		mg/kg	SW846 6010D
Calcium		982	550		mg/kg	SW846 6010D
Chromium		11.5	1.1		mg/kg	SW846 6010D
Copper		14.9	2.7		mg/kg	SW846 6010D
Iron		10400	55		mg/kg	SW846 6010D
Lead		8.4	2.2		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		2390	550		mg/kg	SW846 6010D
Manganese		274	1.6		mg/kg	SW846 6010D
Nickel		11.4	4.4		mg/kg	SW846 6010D
Vanadium		14.9	5.5		mg/kg	SW846 6010D
Zinc		35.5	11		mg/kg	SW846 6010D
Chromium, Hexavalent		0.43	0.42		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		333			mv	ASTM D1498-76M
pH		7.46			su	SW846 9045D
JC92959-6	**CD-7-WC(14-15')**					
Acetone		33.4	11	4.2	ug/kg	SW846 8260C
Methylene chloride		10.1	5.3	1.1	ug/kg	SW846 8260C
JC92959-7	**CD-6-WC(0-8')**					
Benzo(a)anthracene		21.0 J	36	10	ug/kg	SW846 8270D
Benzo(a)pyrene		16.4 J	36	16	ug/kg	SW846 8270D
Benzo(b)fluoranthene		21.0 J	36	16	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		18.8 J	36	18	ug/kg	SW846 8270D
Chrysene		16.7 J	36	11	ug/kg	SW846 8270D
Fluoranthene		36.3	36	16	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		47.9	36	17	ug/kg	SW846 8270D
Phenanthrene		33.5 J	36	12	ug/kg	SW846 8270D
Pyrene		29.9 J	36	11	ug/kg	SW846 8270D
Aluminum		5760	55		mg/kg	SW846 6010D
Arsenic		2.6	2.2		mg/kg	SW846 6010D
Barium		29.7	22		mg/kg	SW846 6010D
Beryllium		0.28	0.22		mg/kg	SW846 6010D
Calcium		4380	550		mg/kg	SW846 6010D
Chromium		106	1.1		mg/kg	SW846 6010D
Copper		169	2.8		mg/kg	SW846 6010D
Iron		10300	55		mg/kg	SW846 6010D
Lead		66.9	2.2		mg/kg	SW846 6010D
Magnesium		4090	550		mg/kg	SW846 6010D
Manganese		187	1.7		mg/kg	SW846 6010D
Mercury		0.054	0.032		mg/kg	SW846 7471B
Nickel		89.0	4.4		mg/kg	SW846 6010D
Vanadium		15.5	5.5		mg/kg	SW846 6010D
Zinc		106	5.5		mg/kg	SW846 6010D
Chromium, Hexavalent		4.3	0.43		mg/kg	SW846 3060A/7196A
Cyanide		2.2	0.24		mg/kg	SW846 9012B/LACHAT
Redox Potential Vs H2		361			mv	ASTM D1498-76M
pH		7.16			su	SW846 9045D

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC92959-8	**CD-6-WC(7-8')**					
Methylene chloride		4.6 J	6.0	1.2	ug/kg	SW846 8260C
EPH (C9-C28)		16.5	7.0	2.1	mg/kg	NJDEP EPH
Total EPH (C9-C40)		16.5	7.0	2.1	mg/kg	NJDEP EPH
JC92959-9	**CD-6-WC(8-16')**					
Anthracene		25.6 J	34	21	ug/kg	SW846 8270D
Benzo(a)anthracene		56.5	34	9.7	ug/kg	SW846 8270D
Benzo(a)pyrene		51.3	34	16	ug/kg	SW846 8270D
Benzo(b)fluoranthene		62.3	34	15	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		35.7	34	17	ug/kg	SW846 8270D
Benzo(k)fluoranthene		24.4 J	34	16	ug/kg	SW846 8270D
Carbazole		15.7 J	68	5.0	ug/kg	SW846 8270D
Chrysene		41.5	34	11	ug/kg	SW846 8270D
Fluoranthene		138	34	15	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		65.1	34	16	ug/kg	SW846 8270D
Phenanthrene		121	34	11	ug/kg	SW846 8270D
Pyrene		108	34	11	ug/kg	SW846 8270D
Aluminum		7770	51		mg/kg	SW846 6010D
Arsenic		2.4	2.0		mg/kg	SW846 6010D
Barium		35.0	20		mg/kg	SW846 6010D
Beryllium		0.38	0.20		mg/kg	SW846 6010D
Calcium		7580	510		mg/kg	SW846 6010D
Chromium		36.1	1.0		mg/kg	SW846 6010D
Cobalt		5.9	5.1		mg/kg	SW846 6010D
Copper		98.0	2.6		mg/kg	SW846 6010D
Iron		12400	51		mg/kg	SW846 6010D
Lead		7.6	2.0		mg/kg	SW846 6010D
Magnesium		5270	510		mg/kg	SW846 6010D
Manganese		279	1.5		mg/kg	SW846 6010D
Nickel		37.3	4.1		mg/kg	SW846 6010D
Vanadium		19.5	5.1		mg/kg	SW846 6010D
Zinc		88.5	5.1		mg/kg	SW846 6010D
Chromium, Hexavalent		3.0	0.43		mg/kg	SW846 3060A/7196A
Cyanide		0.91	0.24		mg/kg	SW846 9012B/LACHAT
Redox Potential Vs H2		359			mv	ASTM D1498-76M
pH		7.25			su	SW846 9045D
JC92959-10	**CD-6-WC(9-10')**					
Acetone		7.9 J	11	4.6	ug/kg	SW846 8260C
Methylene chloride		6.1	5.7	1.1	ug/kg	SW846 8260C

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC92959-11	**CD-5-WC(0-8')**					
Benzo(a)anthracene		9.8 J	34	9.7	ug/kg	SW846 8270D
Phenanthrene		12.5 J	34	12	ug/kg	SW846 8270D
Pyrene		12.0 J	34	11	ug/kg	SW846 8270D
Aluminum		5000	53		mg/kg	SW846 6010D
Barium		25.7	21		mg/kg	SW846 6010D
Beryllium		0.21	0.21		mg/kg	SW846 6010D
Calcium		2430	530		mg/kg	SW846 6010D
Chromium		15.0	1.1		mg/kg	SW846 6010D
Copper		12.4	2.7		mg/kg	SW846 6010D
Iron		9180	53		mg/kg	SW846 6010D
Lead		5.8	2.1		mg/kg	SW846 6010D
Magnesium		2860	530		mg/kg	SW846 6010D
Manganese		224	1.6		mg/kg	SW846 6010D
Nickel		10.8	4.3		mg/kg	SW846 6010D
Vanadium		18.3	5.3		mg/kg	SW846 6010D
Zinc		23.9	11		mg/kg	SW846 6010D
Chromium, Hexavalent		0.51	0.42		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		332			mv	ASTM D1498-76M
pH		7.58			su	SW846 9045D
JC92959-12	**CD-5-WC(5-6')**					
Acetone		11.5	11	4.3	ug/kg	SW846 8260C
Methylene chloride		4.9 J	5.4	1.1	ug/kg	SW846 8260C
JC92959-13	**CD-5-WC(8-16')**					
Benzo(a)anthracene		36.3	35	9.8	ug/kg	SW846 8270D
Benzo(a)pyrene		33.9 J	35	16	ug/kg	SW846 8270D
Benzo(b)fluoranthene		38.2	35	15	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		20.4 J	35	17	ug/kg	SW846 8270D
Carbazole		6.1 J	69	5.0	ug/kg	SW846 8270D
Chrysene		33.6 J	35	11	ug/kg	SW846 8270D
Fluoranthene		72.9	35	15	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		50.5	35	16	ug/kg	SW846 8270D
Naphthalene		12.4 J	35	9.7	ug/kg	SW846 8270D
Phenanthrene		70.2	35	12	ug/kg	SW846 8270D
Pyrene		70.2	35	11	ug/kg	SW846 8270D
Aluminum		4690	53		mg/kg	SW846 6010D
Barium		24.0	21		mg/kg	SW846 6010D
Beryllium		0.24	0.21		mg/kg	SW846 6010D
Calcium		5120	530		mg/kg	SW846 6010D
Chromium		10.3	1.1		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		11.1	2.7		mg/kg	SW846 6010D
Iron		8790	53		mg/kg	SW846 6010D
Lead		7.1	2.1		mg/kg	SW846 6010D
Magnesium		4290	530		mg/kg	SW846 6010D
Manganese		202	1.6		mg/kg	SW846 6010D
Nickel		9.7	4.3		mg/kg	SW846 6010D
Vanadium		14.8	5.3		mg/kg	SW846 6010D
Zinc		30.4	5.3		mg/kg	SW846 6010D
Redox Potential Vs H2		322			mv	ASTM D1498-76M
pH		7.57			su	SW846 9045D
JC92959-14	**CD-5-WC(9-10')**					
Acetone		8.5 J	12	4.9	ug/kg	SW846 8260C
Methylene chloride		5.5 J	6.2	1.2	ug/kg	SW846 8260C
JC92959-15	**CD-4-WC(0-8')**					
Aluminum		6170	55		mg/kg	SW846 6010D
Barium		31.0	22		mg/kg	SW846 6010D
Beryllium		0.28	0.22		mg/kg	SW846 6010D
Calcium		1630	550		mg/kg	SW846 6010D
Chromium		19.6	1.1		mg/kg	SW846 6010D
Copper		12.7	2.8		mg/kg	SW846 6010D
Iron		11700	55		mg/kg	SW846 6010D
Lead		3.4	2.2		mg/kg	SW846 6010D
Magnesium		3380	550		mg/kg	SW846 6010D
Manganese		249	1.7		mg/kg	SW846 6010D
Nickel		11.7	4.4		mg/kg	SW846 6010D
Vanadium		20.6	5.5		mg/kg	SW846 6010D
Zinc		30.2	5.5		mg/kg	SW846 6010D
Chromium, Hexavalent		0.52	0.44		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		318			mv	ASTM D1498-76M
pH		7.49			su	SW846 9045D
JC92959-16	**CD-4-WC(5-6')**					
Acetone		4.8 J	11	4.5	ug/kg	SW846 8260C
Methylene chloride		3.8 J	5.6	1.1	ug/kg	SW846 8260C
JC92959-17	**CD-4-WC(8-16')**					
Aluminum		6450	51		mg/kg	SW846 6010D
Barium		28.8	21		mg/kg	SW846 6010D
Beryllium		0.30	0.21		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		2090	510		mg/kg	SW846 6010D
Chromium		15.7	1.0		mg/kg	SW846 6010D
Cobalt		5.2	5.1		mg/kg	SW846 6010D
Copper		13.4	2.6		mg/kg	SW846 6010D
Iron		11500	51		mg/kg	SW846 6010D
Lead		4.8	2.1		mg/kg	SW846 6010D
Magnesium		2950	510		mg/kg	SW846 6010D
Manganese		282	1.5		mg/kg	SW846 6010D
Nickel		11.6	4.1		mg/kg	SW846 6010D
Vanadium		20.6	5.1		mg/kg	SW846 6010D
Zinc		24.8	5.1		mg/kg	SW846 6010D
Chromium, Hexavalent		0.79	0.43		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		347			mv	ASTM D1498-76M
pH		6.73			su	SW846 9045D
JC92959-18	**CD-4-WC(9-10')**					
Acetone		19.4	11	4.5	ug/kg	SW846 8260C
Methylene chloride		9.7	5.7	1.1	ug/kg	SW846 8260C
JC92959-19	**CD-3-WC(0-8')**					
Benzo(a)anthracene		14.0 J	35	9.9	ug/kg	SW846 8270D
Benzo(a)pyrene		37.5	35	16	ug/kg	SW846 8270D
Fluoranthene		17.6 J	35	16	ug/kg	SW846 8270D
Pyrene		16.5 J	35	11	ug/kg	SW846 8270D
Aroclor 1262		29.4 J	34	23	ug/kg	SW846 8082A
Aluminum		6000	54		mg/kg	SW846 6010D
Barium		27.6	22		mg/kg	SW846 6010D
Beryllium		0.31	0.22		mg/kg	SW846 6010D
Calcium		1420	540		mg/kg	SW846 6010D
Chromium		12.6	1.1		mg/kg	SW846 6010D
Copper		14.3	2.7		mg/kg	SW846 6010D
Iron		9890	54		mg/kg	SW846 6010D
Lead		6.3	2.2		mg/kg	SW846 6010D
Magnesium		2290	540		mg/kg	SW846 6010D
Manganese		240	1.6		mg/kg	SW846 6010D
Nickel		11.2	4.3		mg/kg	SW846 6010D
Vanadium		22.4	5.4		mg/kg	SW846 6010D
Zinc		22.1	5.4		mg/kg	SW846 6010D
Redox Potential Vs H2		354			mv	ASTM D1498-76M
pH		7.15			su	SW846 9045D

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC92959-20	**CD-3-WC(5-6')**					
Methylene chloride		7.3	6.3	1.3	ug/kg	SW846 8260C
JC92959-21	**CD-3-WC(8-16')**					
Aluminum		7130	55		mg/kg	SW846 6010D
Barium		41.6	22		mg/kg	SW846 6010D
Calcium		1450	550		mg/kg	SW846 6010D
Chromium		12.8	1.1		mg/kg	SW846 6010D
Cobalt		5.5	5.5		mg/kg	SW846 6010D
Copper		14.0	2.7		mg/kg	SW846 6010D
Iron		11000	55		mg/kg	SW846 6010D
Lead		3.9	2.2		mg/kg	SW846 6010D
Magnesium		3780	550		mg/kg	SW846 6010D
Manganese		258	1.6		mg/kg	SW846 6010D
Nickel		12.6	4.4		mg/kg	SW846 6010D
Vanadium		22.2	5.5		mg/kg	SW846 6010D
Zinc		32.7	5.5		mg/kg	SW846 6010D
Redox Potential Vs H2		343			mv	ASTM D1498-76M
pH		7.25			su	SW846 9045D
JC92959-22	**CD-3-WC(9-10')**					
Methylene chloride		4.1 J	5.5	1.1	ug/kg	SW846 8260C
JC92959-23	**CD-2-WC(0-8')**					
Benzo(a)anthracene		33.5 J	35	9.9	ug/kg	SW846 8270D
Benzo(a)pyrene		28.1 J	35	16	ug/kg	SW846 8270D
Benzo(b)fluoranthene		34.4 J	35	15	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		19.5 J	35	18	ug/kg	SW846 8270D
Chrysene		26.8 J	35	11	ug/kg	SW846 8270D
Fluoranthene		52.8	35	16	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		16.9 J	35	16	ug/kg	SW846 8270D
Phenanthrene		20.7 J	35	12	ug/kg	SW846 8270D
Pyrene		48.0	35	11	ug/kg	SW846 8270D
Aroclor 1262		24.6 J	33	21	ug/kg	SW846 8082A
Aluminum		5850	56		mg/kg	SW846 6010D
Barium		35.7	22		mg/kg	SW846 6010D
Beryllium		0.30	0.22		mg/kg	SW846 6010D
Calcium		1280	560		mg/kg	SW846 6010D
Chromium		12.1	1.1		mg/kg	SW846 6010D
Copper		12.7	2.8		mg/kg	SW846 6010D
Iron		9850	56		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		8.4	2.2		mg/kg	SW846 6010D
Magnesium		2780	560		mg/kg	SW846 6010D
Manganese		294	1.7		mg/kg	SW846 6010D
Nickel		10.3	4.4		mg/kg	SW846 6010D
Vanadium		22.3	5.6		mg/kg	SW846 6010D
Zinc		27.8	5.6		mg/kg	SW846 6010D
Chromium, Hexavalent		0.47	0.43		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		345			mv	ASTM D1498-76M
pH		7.61			su	SW846 9045D
JC92959-24	**CD-2-WC(5-6')**					
Acetone		12.1	12	5.0	ug/kg	SW846 8260C
Methylene chloride		9.9	6.2	1.2	ug/kg	SW846 8260C
JC92959-25	**CD-2-WC(8-16')**					
Aroclor 1262		27.4 J	34	22	ug/kg	SW846 8082A
Aluminum		7530	56		mg/kg	SW846 6010D
Barium		47.7	22		mg/kg	SW846 6010D
Beryllium		0.37	0.22		mg/kg	SW846 6010D
Calcium		1300	560		mg/kg	SW846 6010D
Chromium		14.7	1.1		mg/kg	SW846 6010D
Cobalt		7.5	5.6		mg/kg	SW846 6010D
Copper		13.3	2.8		mg/kg	SW846 6010D
Iron		12400	56		mg/kg	SW846 6010D
Lead		5.0	2.2		mg/kg	SW846 6010D
Magnesium		4060	560		mg/kg	SW846 6010D
Manganese		350	1.7		mg/kg	SW846 6010D
Nickel		15.9	4.5		mg/kg	SW846 6010D
Vanadium		21.1	5.6		mg/kg	SW846 6010D
Zinc		54.3	5.6		mg/kg	SW846 6010D
Redox Potential Vs H2		348			mv	ASTM D1498-76M
pH		7.39			su	SW846 9045D
JC92959-26	**CD-2-WC(9-10')**					
Acetone		6.5 J	12	4.8	ug/kg	SW846 8260C
Methylene chloride		6.6	6.0	1.2	ug/kg	SW846 8260C
JC92959-27	**CD-1-WC(0-8')**					
Benzo(a)anthracene		10.1 J	35	9.9	ug/kg	SW846 8270D
Pyrene		11.7 J	35	11	ug/kg	SW846 8270D
Aluminum		6980	51		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC92959
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		37.1	21		mg/kg	SW846 6010D
Beryllium		0.28	0.21		mg/kg	SW846 6010D
Calcium		1000	510		mg/kg	SW846 6010D
Chromium		15.2	1.0		mg/kg	SW846 6010D
Cobalt		5.1	5.1		mg/kg	SW846 6010D
Copper		13.0	2.6		mg/kg	SW846 6010D
Iron		11300	51		mg/kg	SW846 6010D
Lead		6.0	2.1		mg/kg	SW846 6010D
Magnesium		2600	510		mg/kg	SW846 6010D
Manganese		290	1.5		mg/kg	SW846 6010D
Nickel		12.1	4.1		mg/kg	SW846 6010D
Vanadium		19.7	5.1		mg/kg	SW846 6010D
Zinc		28.8	5.1		mg/kg	SW846 6010D
Redox Potential Vs H2		411			mv	ASTM D1498-76M
pH		5.82			su	SW846 9045D
JC92959-28	**CD-1-WC(5-6')**					
Acetone		6.6 J	13	5.2	ug/kg	SW846 8260C
Methylene chloride		9.3	6.5	1.3	ug/kg	SW846 8260C
JC92959-29	**CD-1-WC(8-16')**					
Aluminum		4480	53		mg/kg	SW846 6010D
Barium		24.1	21		mg/kg	SW846 6010D
Beryllium		0.22	0.21		mg/kg	SW846 6010D
Calcium		4520	530		mg/kg	SW846 6010D
Chromium		9.6	1.1		mg/kg	SW846 6010D
Copper		10.8	2.7		mg/kg	SW846 6010D
Iron		8520	53		mg/kg	SW846 6010D
Lead		3.4	2.1		mg/kg	SW846 6010D
Magnesium		4070	530		mg/kg	SW846 6010D
Manganese		214	1.6		mg/kg	SW846 6010D
Nickel		9.1	4.3		mg/kg	SW846 6010D
Vanadium		13.6	5.3		mg/kg	SW846 6010D
Zinc		23.0	5.3		mg/kg	SW846 6010D
Redox Potential Vs H2		404			mv	ASTM D1498-76M
pH		6.34			su	SW846 9045D
JC92959-30	**CD-1-WC(9-10')**					
Acetone		5.9 J	14	5.5	ug/kg	SW846 8260C
Methylene chloride		5.3 J	6.8	1.4	ug/kg	SW846 8260C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CD-7-WC(0-5')		
Lab Sample ID:	JC92959-1	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186501.D	1	08/12/19 23:57	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	68	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	68	22	ug/kg	
	3&4-Methylphenol	ND	68	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	340	91	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	68	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	26.8	34	12	ug/kg	J
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.3	ug/kg	
120-12-7	Anthracene	54.1	34	21	ug/kg	
1912-24-9	Atrazine	ND	68	15	ug/kg	
56-55-3	Benzo(a)anthracene	144	34	9.7	ug/kg	
50-32-8	Benzo(a)pyrene	137	34	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	175	34	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	92.5	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	58.2	34	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	68	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	8.3	ug/kg	
92-52-4	1,1'-Biphenyl	5.2	68	4.7	ug/kg	J
100-52-7	Benzaldehyde	ND	170	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	8.1	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	31.0	68	4.9	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(0-5')		
Lab Sample ID:	JC92959-1	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	68	13	ug/kg	
218-01-9	Chrysene	125	34	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	68	7.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	68	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	34	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	68	28	ug/kg	
123-91-1	1,4-Dioxane	ND	34	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	24.5	34	15	ug/kg	J
132-64-9	Dibenzofuran	18.9	68	14	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	68	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	8.5	ug/kg	
84-66-2	Diethyl phthalate	ND	68	7.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	8.0	ug/kg	
206-44-0	Fluoranthene	373	34	15	ug/kg	
86-73-7	Fluorene	24.7	34	16	ug/kg	J
118-74-1	Hexachlorobenzene	ND	68	8.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	114	34	16	ug/kg	
78-59-1	Isophorone	ND	68	7.3	ug/kg	
91-57-6	2-Methylnaphthalene	8.3	34	7.7	ug/kg	J
88-74-4	2-Nitroaniline	ND	170	8.1	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.5	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.8	ug/kg	
91-20-3	Naphthalene	20.3	34	9.6	ug/kg	J
98-95-3	Nitrobenzene [a]	ND	68	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	9.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	294	34	11	ug/kg	
129-00-0	Pyrene	284	34	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(0-5')		
Lab Sample ID:	JC92959-1	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	59%		27-114%
118-79-6	2,4,6-Tribromophenol	75%		19-152%
4165-60-0	Nitrobenzene-d5	76%		26-134%
321-60-8	2-Fluorobiphenyl	65%		39-124%
1718-51-0	Terphenyl-d14	74%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(0-5')		
Lab Sample ID:	JC92959-1	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G154967.D	1	08/14/19 01:35	CP	08/13/19 10:05	OP22059	G1G5019
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.61	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.50	ug/kg	
12789-03-6	Chlordane	ND	34	13	ug/kg	
60-57-1	Dieldrin	ND	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	0.67	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	0.67	0.59	ug/kg	
50-29-3	4,4'-DDT	1.2	0.67	0.60	ug/kg	
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		25-135%
877-09-8	Tetrachloro-m-xylene	67%		25-135%
2051-24-3	Decachlorobiphenyl	71%		10-156%
2051-24-3	Decachlorobiphenyl	99%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(0-5')		
Lab Sample ID:	JC92959-1	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2438692.D	1	08/15/19 19:26	TR	08/15/19 08:30	OP22116	GXX6774
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		31-146%
877-09-8	Tetrachloro-m-xylene	96%		31-146%
2051-24-3	Decachlorobiphenyl	106%		17-164%
2051-24-3	Decachlorobiphenyl	94%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(0-5')		
Lab Sample ID:	JC92959-1	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	93.6
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8900	51	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.0	2.0	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.4	2.0	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Barium	48.5	20	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.36	0.20	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Calcium	1480	510	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Chromium	15.0	1.0	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.9	5.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Copper	19.2	2.5	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Iron	14100	51	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Lead	46.6	2.0	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3110	510	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Manganese	312	1.5	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.13	0.036	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.7	4.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.0	2.0	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Vanadium	20.8	5.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Zinc	68.5	10	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47273
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-7-WC(0-5')		
Lab Sample ID:	JC92959-1	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	93.6
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.92	0.43	mg/kg	1	08/14/19 16:53	NV	SW846 3060A/7196A
Cyanide	< 0.26	0.26	mg/kg	1	08/13/19 13:40	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	358		mv	1	08/15/19 08:15	MS	ASTM D1498-76M
Solids, Percent	93.6		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.94		su	1	08/15/19 08:15	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-7-WC(3-4')		
Lab Sample ID:	JC92959-2	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153921.D	1	08/13/19 12:26	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.7	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.55	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.61	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.49	ug/kg	
75-25-2	Bromoform	ND	5.5	0.63	ug/kg	
74-83-9	Bromomethane	ND	5.5	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.65	ug/kg	
67-66-3	Chloroform	ND	2.2	0.54	ug/kg	
74-87-3	Chloromethane	ND	5.5	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.72	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.92	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.61	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.46	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.60	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.54	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.54	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	0.80	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.54	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.92	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.67	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.61	ug/kg	
76-13-1	Freon 113	ND	5.5	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(3-4')		
Lab Sample ID:	JC92959-2	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	0.77	ug/kg	
79-20-9	Methyl Acetate	ND	5.5	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.96	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	2.5	ug/kg	
75-09-2	Methylene chloride	9.2	5.5	1.1	ug/kg	
100-42-5	Styrene	ND	2.2	0.63	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.66	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.64	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.53	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.61	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.84	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.75	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.53	ug/kg	
	m,p-Xylene	ND	1.1	0.98	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-127%
17060-07-0	1,2-Dichloroethane-D4	105%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(3-4')		
Lab Sample ID:	JC92959-2	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63143.D	1	08/12/19 22:28	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	16.9	7.3	2.2	mg/kg	
	EPH (> C28-C40)	ND	7.3	2.2	mg/kg	
	Total EPH (C9-C40)	16.9	7.3	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		40-140%
3386-33-2	1-Chlorooctadecane	90%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(5-10')		
Lab Sample ID:	JC92959-3	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186487.D	1	08/12/19 17:38	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	350	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(5-10')		
Lab Sample ID:	JC92959-3	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	69	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	8.1	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	ND	35	9.7	ug/kg	
98-95-3	Nitrobenzene [a]	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	ND	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(5-10')		
Lab Sample ID:	JC92959-3	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	63%		27-114%
118-79-6	2,4,6-Tribromophenol	76%		19-152%
4165-60-0	Nitrobenzene-d5	78%		26-134%
321-60-8	2-Fluorobiphenyl	67%		39-124%
1718-51-0	Terphenyl-d14	73%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(5-10')		
Lab Sample ID:	JC92959-3	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25257.D	1	08/12/19 03:53	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.49	ug/kg	
12789-03-6	Chlordane	ND	33	13	ug/kg	
60-57-1	Dieldrin	ND	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.67	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	0.67	0.58	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.67	0.59	ug/kg	
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		25-135%
877-09-8	Tetrachloro-m-xylene	96%		25-135%
2051-24-3	Decachlorobiphenyl	115%		10-156%
2051-24-3	Decachlorobiphenyl	115%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(5-10')		
Lab Sample ID:	JC92959-3	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190637.D	1	08/12/19 18:56	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	16	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		31-146%
877-09-8	Tetrachloro-m-xylene	136%		31-146%
2051-24-3	Decachlorobiphenyl	113%		17-164%
2051-24-3	Decachlorobiphenyl	106%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(5-10')		
Lab Sample ID:	JC92959-3	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.3
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5230	55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Barium	51.3	22	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.24	0.22	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Calcium	2290	550	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Chromium	11.6	1.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Copper	11.3	2.7	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Iron	9500	55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Lead	5.4	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3070	550	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Manganese	220	1.6	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	10.6	4.4	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Vanadium	15.7	5.5	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Zinc	31.2	11	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47273
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-7-WC(5-10')		
Lab Sample ID:	JC92959-3	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.3
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	< 0.24	0.24	mg/kg	1	08/13/19 13:41	KI	SW846 9012B/LACHAT
Paint Filter Test [a]	< 0.50	0.50	ml/100g	1	08/14/19 12:45	RI	SW846 9095/9095B
Redox Potential Vs H2	338		mv	1	08/15/19 08:29	MS	ASTM D1498-76M
Solids, Percent	94.3		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.13		su	1	08/15/19 08:29	MS	SW846 9045D

(a) No free liquids.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-7-WC(6-7')		
Lab Sample ID:	JC92959-4	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153922.D	1	08/13/19 12:49	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	29.9	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.55	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.62	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.49	ug/kg	
75-25-2	Bromoform	ND	5.5	0.64	ug/kg	
74-83-9	Bromomethane	ND	5.5	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.65	ug/kg	
67-66-3	Chloroform	ND	2.2	0.54	ug/kg	
74-87-3	Chloromethane	ND	5.5	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.73	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.93	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.60	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	0.80	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.61	ug/kg	
76-13-1	Freon 113	ND	5.5	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(6-7')		
Lab Sample ID:	JC92959-4	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	0.77	ug/kg	
79-20-9	Methyl Acetate	ND	5.5	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.97	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	2.5	ug/kg	
75-09-2	Methylene chloride	9.4	5.5	1.1	ug/kg	
100-42-5	Styrene	ND	2.2	0.64	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.66	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.64	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.53	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.61	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.84	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.76	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.53	ug/kg	
	m,p-Xylene	ND	1.1	0.99	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.65	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(6-7')		
Lab Sample ID:	JC92959-4	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63144.D	1	08/12/19 23:02	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	6.7	2.0	mg/kg	
	EPH (> C28-C40)	ND	6.7	2.0	mg/kg	
	Total EPH (C9-C40)	ND	6.7	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		40-140%
3386-33-2	1-Chlorooctadecane	75%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(10-15')		
Lab Sample ID:	JC92959-5	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186493.D	1	08/12/19 20:21	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	68	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	68	22	ug/kg	
	3&4-Methylphenol	ND	68	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	340	91	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	68	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.3	ug/kg	
120-12-7	Anthracene	ND	34	21	ug/kg	
1912-24-9	Atrazine	ND	68	15	ug/kg	
56-55-3	Benzo(a)anthracene	25.4	34	9.6	ug/kg	J
50-32-8	Benzo(a)pyrene	26.0	34	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	27.6	34	15	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	68	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	8.3	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	8.1	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	68	4.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(10-15')		
Lab Sample ID:	JC92959-5	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	68	13	ug/kg	
218-01-9	Chrysene	22.8	34	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	68	7.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	68	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	34	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	68	28	ug/kg	
123-91-1	1,4-Dioxane	ND	34	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	68	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	8.5	ug/kg	
84-66-2	Diethyl phthalate	ND	68	7.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	8.0	ug/kg	
206-44-0	Fluoranthene	57.3	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	8.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	47.7	34	16	ug/kg	
78-59-1	Isophorone	ND	68	7.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.7	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.0	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.5	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.8	ug/kg	
91-20-3	Naphthalene	ND	34	9.6	ug/kg	
98-95-3	Nitrobenzene [a]	ND	68	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	9.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	36.4	34	11	ug/kg	
129-00-0	Pyrene	46.0	34	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(10-15')		
Lab Sample ID:	JC92959-5	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	60%		27-114%
118-79-6	2,4,6-Tribromophenol	71%		19-152%
4165-60-0	Nitrobenzene-d5	73%		26-134%
321-60-8	2-Fluorobiphenyl	64%		39-124%
1718-51-0	Terphenyl-d14	71%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(10-15')		
Lab Sample ID:	JC92959-5	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25258.D	1	08/12/19 04:09	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.49	ug/kg	
12789-03-6	Chlordane	ND	33	13	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.46	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.66	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.66	0.59	ug/kg	
72-20-8	Endrin	ND	0.66	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
8001-35-2	Toxaphene	ND	17	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		25-135%
877-09-8	Tetrachloro-m-xylene	78%		25-135%
2051-24-3	Decachlorobiphenyl	94%		10-156%
2051-24-3	Decachlorobiphenyl	97%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(10-15')		
Lab Sample ID:	JC92959-5	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190638.D	1	08/12/19 19:21	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		31-146%
877-09-8	Tetrachloro-m-xylene	136%		31-146%
2051-24-3	Decachlorobiphenyl	103%		17-164%
2051-24-3	Decachlorobiphenyl	100%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(10-15')		
Lab Sample ID:	JC92959-5	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.3
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5320	55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Barium	28.1	22	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.26	0.22	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Calcium	982	550	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Chromium	11.5	1.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Copper	14.9	2.7	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Iron	10400	55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Lead	8.4	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2390	550	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Manganese	274	1.6	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.4	4.4	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Vanadium	14.9	5.5	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Zinc	35.5	11	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47273
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-7-WC(10-15')		
Lab Sample ID:	JC92959-5	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.3
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.43	0.42	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	< 0.24	0.24	mg/kg	1	08/13/19 13:43	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	333		mv	1	08/15/19 08:32	MS	ASTM D1498-76M
Solids, Percent	94.3		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.46		su	1	08/15/19 08:32	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-7-WC(14-15')		
Lab Sample ID:	JC92959-6	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153923.D	1	08/13/19 13:12	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	33.4	11	4.2	ug/kg	
71-43-2	Benzene	ND	0.53	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	0.59	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.47	ug/kg	
75-25-2	Bromoform	ND	5.3	0.61	ug/kg	
74-83-9	Bromomethane	ND	5.3	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.98	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.49	ug/kg	
75-00-3	Chloroethane	ND	5.3	0.62	ug/kg	
67-66-3	Chloroform	ND	2.1	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.3	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.69	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.88	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.59	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.58	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.52	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	0.77	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.52	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.89	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.65	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.58	ug/kg	
76-13-1	Freon 113	ND	5.3	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.3	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(14-15')		
Lab Sample ID:	JC92959-6	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.6
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	0.74	ug/kg	
79-20-9	Methyl Acetate	ND	5.3	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.92	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	2.4	ug/kg	
75-09-2	Methylene chloride	10.1	5.3	1.1	ug/kg	
100-42-5	Styrene	ND	2.1	0.61	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.63	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.61	ug/kg	
108-88-3	Toluene	ND	1.1	0.55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	1.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.59	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.81	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	0.72	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.51	ug/kg	
	m,p-Xylene	ND	1.1	0.95	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.62	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-7-WC(14-15')		
Lab Sample ID:	JC92959-6	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	94.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63149.D	1	08/13/19 01:51	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	6.9	2.0	mg/kg	
	EPH (> C28-C40)	ND	6.9	2.0	mg/kg	
	Total EPH (C9-C40)	ND	6.9	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		40-140%
3386-33-2	1-Chlorooctadecane	85%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(0-8')		
Lab Sample ID:	JC92959-7	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186495.D	1	08/12/19 21:14	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	95	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	71	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	21.0	36	10	ug/kg	J
50-32-8	Benzo(a)pyrene	16.4	36	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	21.0	36	16	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	18.8	36	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	71	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(0-8')		
Lab Sample ID:	JC92959-7	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	71	14	ug/kg	
218-01-9	Chrysene	16.7	36	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	71	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	71	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	8.3	ug/kg	
206-44-0	Fluoranthene	36.3	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	9.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	47.9	36	17	ug/kg	
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.0	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.4	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.9	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.2	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene [a]	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	33.5	36	12	ug/kg	J
129-00-0	Pyrene	29.9	36	11	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(0-8')		
Lab Sample ID:	JC92959-7	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	59%		27-114%
118-79-6	2,4,6-Tribromophenol	71%		19-152%
4165-60-0	Nitrobenzene-d5	77%		26-134%
321-60-8	2-Fluorobiphenyl	64%		39-124%
1718-51-0	Terphenyl-d14	73%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(0-8')		
Lab Sample ID:	JC92959-7	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25259.D	1	08/12/19 04:26	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
12789-03-6	Chlordane	ND	34	13	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.68	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.68	0.60	ug/kg	
72-20-8	Endrin	ND	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		25-135%
877-09-8	Tetrachloro-m-xylene	89%		25-135%
2051-24-3	Decachlorobiphenyl	104%		10-156%
2051-24-3	Decachlorobiphenyl	107%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(0-8')		
Lab Sample ID:	JC92959-7	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190639.D	1	08/12/19 19:46	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%		31-146%
877-09-8	Tetrachloro-m-xylene	137%		31-146%
2051-24-3	Decachlorobiphenyl	105%		17-164%
2051-24-3	Decachlorobiphenyl	107%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(0-8')		
Lab Sample ID:	JC92959-7	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	92.7
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5760	55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.6	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	29.7	22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.28	0.22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	4380	550	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	106	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	169	2.8	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	10300	55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	66.9	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4090	550	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	187	1.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.054	0.032	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	89.0	4.4	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	15.5	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	106	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-6-WC(0-8')		
Lab Sample ID:	JC92959-7	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	92.7
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	4.3	0.43	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	2.2	0.24	mg/kg	1	08/13/19 13:44	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	361		mv	1	08/15/19 08:35	MS	ASTM D1498-76M
Solids, Percent	92.7		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.16		su	1	08/15/19 08:35	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-6-WC(7-8')		
Lab Sample ID:	JC92959-8	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.0
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153924.D	1	08/13/19 13:36	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.8	ug/kg	
71-43-2	Benzene	ND	0.60	0.54	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.67	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.53	ug/kg	
75-25-2	Bromoform	ND	6.0	0.69	ug/kg	
74-83-9	Bromomethane	ND	6.0	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	4.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.74	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.55	ug/kg	
75-00-3	Chloroethane	ND	6.0	0.71	ug/kg	
67-66-3	Chloroform	ND	2.4	0.58	ug/kg	
74-87-3	Chloromethane	ND	6.0	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.78	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.67	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.50	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.65	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.59	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.59	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	0.87	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.56	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.78	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.57	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.55	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.66	ug/kg	
76-13-1	Freon 113	ND	6.0	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.0	2.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(7-8')		
Lab Sample ID:	JC92959-8	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.0
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	0.83	ug/kg	
79-20-9	Methyl Acetate	ND	6.0	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.56	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	2.7	ug/kg	
75-09-2	Methylene chloride	4.6	6.0	1.2	ug/kg	J
100-42-5	Styrene	ND	2.4	0.69	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.72	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.69	ug/kg	
108-88-3	Toluene	ND	1.2	0.63	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	1.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.58	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.66	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.91	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.82	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.57	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.70	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	103%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	106%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(7-8')		
Lab Sample ID:	JC92959-8	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	91.0
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63150.D	1	08/13/19 02:25	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	16.5	7.0	2.1	mg/kg	
	EPH (> C28-C40)	ND	7.0	2.1	mg/kg	
	Total EPH (C9-C40)	16.5	7.0	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		40-140%
3386-33-2	1-Chlorooctadecane	75%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(8-16')		
Lab Sample ID:	JC92959-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186494.D	1	08/12/19 20:48	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	68	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	68	22	ug/kg	
	3&4-Methylphenol	ND	68	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	340	91	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	68	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.3	ug/kg	
120-12-7	Anthracene	25.6	34	21	ug/kg	J
1912-24-9	Atrazine	ND	68	15	ug/kg	
56-55-3	Benzo(a)anthracene	56.5	34	9.7	ug/kg	
50-32-8	Benzo(a)pyrene	51.3	34	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	62.3	34	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	35.7	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	24.4	34	16	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	68	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	8.3	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	8.1	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	15.7	68	5.0	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(8-16')		
Lab Sample ID:	JC92959-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	68	13	ug/kg	
218-01-9	Chrysene	41.5	34	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	68	7.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	68	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	34	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	68	28	ug/kg	
123-91-1	1,4-Dioxane	ND	34	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	68	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	8.5	ug/kg	
84-66-2	Diethyl phthalate	ND	68	7.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	8.0	ug/kg	
206-44-0	Fluoranthene	138	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	8.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	65.1	34	16	ug/kg	
78-59-1	Isophorone	ND	68	7.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.7	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.1	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.5	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	ND	34	9.6	ug/kg	
98-95-3	Nitrobenzene [a]	ND	68	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	9.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	121	34	11	ug/kg	
129-00-0	Pyrene	108	34	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(8-16')		
Lab Sample ID:	JC92959-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	62%		27-114%
118-79-6	2,4,6-Tribromophenol	77%		19-152%
4165-60-0	Nitrobenzene-d5	74%		26-134%
321-60-8	2-Fluorobiphenyl	63%		39-124%
1718-51-0	Terphenyl-d14	74%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(8-16')		
Lab Sample ID:	JC92959-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25260.D	1	08/12/19 04:42	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
12789-03-6	Chlordane	ND	34	13	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.47	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.69	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	0.69	0.60	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.69	0.61	ug/kg	
72-20-8	Endrin	ND	0.69	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		25-135%
877-09-8	Tetrachloro-m-xylene	79%		25-135%
2051-24-3	Decachlorobiphenyl	91%		10-156%
2051-24-3	Decachlorobiphenyl	96%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(8-16')		
Lab Sample ID:	JC92959-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.1
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190644.D	1	08/12/19 21:51	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		31-146%
877-09-8	Tetrachloro-m-xylene	130%		31-146%
2051-24-3	Decachlorobiphenyl	112%		17-164%
2051-24-3	Decachlorobiphenyl	113%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(8-16')		
Lab Sample ID:	JC92959-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.1
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7770	51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.0	2.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.4	2.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	35.0	20	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.38	0.20	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	7580	510	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	36.1	1.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.9	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	98.0	2.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	12400	51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	7.6	2.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	5270	510	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	279	1.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.031	0.031	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	37.3	4.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.0	2.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	19.5	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	88.5	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-6-WC(8-16')		
Lab Sample ID:	JC92959-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.1
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	3.0	0.43	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	0.91	0.24	mg/kg	1	08/13/19 14:07	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	359		mv	1	08/15/19 08:40	MS	ASTM D1498-76M
Solids, Percent	94.1		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.25		su	1	08/15/19 08:40	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-6-WC(9-10')		
Lab Sample ID:	JC92959-10	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153934.D	1	08/13/19 17:28	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.9	11	4.6	ug/kg	J
71-43-2	Benzene	ND	0.57	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.64	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform	ND	5.7	0.66	ug/kg	
74-83-9	Bromomethane	ND	5.7	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.3	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.7	0.67	ug/kg	
67-66-3	Chloroform	ND	2.3	0.56	ug/kg	
74-87-3	Chloromethane	ND	5.7	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.95	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.64	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.62	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	0.83	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.70	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.54	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.63	ug/kg	
76-13-1	Freon 113	ND	5.7	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.7	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(9-10')		
Lab Sample ID:	JC92959-10	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.5
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.79	ug/kg	
79-20-9	Methyl Acetate	ND	5.7	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	2.6	ug/kg	
75-09-2	Methylene chloride	6.1	5.7	1.1	ug/kg	
100-42-5	Styrene	ND	2.3	0.65	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.68	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.66	ug/kg	
108-88-3	Toluene	ND	1.1	0.60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.63	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.87	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.78	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.55	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.66	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		75-127%
17060-07-0	1,2-Dichloroethane-D4	107%		75-130%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-6-WC(9-10')		
Lab Sample ID:	JC92959-10	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	93.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63151.D	1	08/13/19 02:59	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.0	2.1	mg/kg	
	EPH (> C28-C40)	ND	7.0	2.1	mg/kg	
	Total EPH (C9-C40)	ND	7.0	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%
3386-33-2	1-Chlorooctadecane	87%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(0-8')		
Lab Sample ID:	JC92959-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186491.D	1	08/12/19 19:26	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	340	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	34	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	9.8	34	9.7	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	34	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(0-8')		
Lab Sample ID:	JC92959-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.5
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	69	14	ug/kg	
218-01-9	Chrysene	ND	34	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	34	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	34	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	8.0	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.1	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	ND	34	9.7	ug/kg	
98-95-3	Nitrobenzene [a]	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	9.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	12.5	34	12	ug/kg	J
129-00-0	Pyrene	12.0	34	11	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(0-8')		
Lab Sample ID:	JC92959-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.5
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	55%		27-114%
118-79-6	2,4,6-Tribromophenol	69%		19-152%
4165-60-0	Nitrobenzene-d5	70%		26-134%
321-60-8	2-Fluorobiphenyl	60%		39-124%
1718-51-0	Terphenyl-d14	70%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(0-8')		
Lab Sample ID:	JC92959-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25261.D	1	08/12/19 04:58	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.49	ug/kg	
12789-03-6	Chlordane	ND	33	13	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.45	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.66	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.66	0.59	ug/kg	
72-20-8	Endrin	ND	0.66	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
8001-35-2	Toxaphene	ND	17	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		25-135%
877-09-8	Tetrachloro-m-xylene	86%		25-135%
2051-24-3	Decachlorobiphenyl	109%		10-156%
2051-24-3	Decachlorobiphenyl	105%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(0-8')		
Lab Sample ID:	JC92959-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190645.D	1	08/12/19 22:16	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		31-146%
877-09-8	Tetrachloro-m-xylene	136%		31-146%
2051-24-3	Decachlorobiphenyl	126%		17-164%
2051-24-3	Decachlorobiphenyl	124%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(0-8')		
Lab Sample ID:	JC92959-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.5
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5000	53	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Barium	25.7	21	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.21	0.21	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Calcium	2430	530	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Chromium	15.0	1.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.3	5.3	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Copper	12.4	2.7	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Iron	9180	53	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Lead	5.8	2.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2860	530	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Manganese	224	1.6	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.032	0.032	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	10.8	4.3	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Vanadium	18.3	5.3	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]
Zinc	23.9	11	mg/kg	1	08/12/19	08/13/19	RP	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47273
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-5-WC(0-8')		
Lab Sample ID:	JC92959-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.5
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.51	0.42	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	< 0.23	0.23	mg/kg	1	08/13/19 13:45	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	332		mv	1	08/15/19 08:17	MS	ASTM D1498-76M
Solids, Percent	94.5		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.58		su	1	08/15/19 08:17	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-5-WC(5-6')		
Lab Sample ID:	JC92959-12	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153935.D	1	08/13/19 17:51	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.5	11	4.3	ug/kg	
71-43-2	Benzene	ND	0.54	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.48	ug/kg	
75-25-2	Bromoform	ND	5.4	0.62	ug/kg	
74-83-9	Bromomethane	ND	5.4	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.49	ug/kg	
75-00-3	Chloroethane	ND	5.4	0.63	ug/kg	
67-66-3	Chloroform	ND	2.1	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.4	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.70	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.90	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.60	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.53	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	0.78	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.53	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.90	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.59	ug/kg	
76-13-1	Freon 113	ND	5.4	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(5-6')		
Lab Sample ID:	JC92959-12	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.2
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	0.75	ug/kg	
79-20-9	Methyl Acetate	ND	5.4	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.94	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	2.4	ug/kg	
75-09-2	Methylene chloride	4.9	5.4	1.1	ug/kg	J
100-42-5	Styrene	ND	2.1	0.62	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.64	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.62	ug/kg	
108-88-3	Toluene	ND	1.1	0.56	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	1.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.59	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.82	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	0.73	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.52	ug/kg	
	m,p-Xylene	ND	1.1	0.96	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.63	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-127%
17060-07-0	1,2-Dichloroethane-D4	103%		75-130%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(5-6')		
Lab Sample ID:	JC92959-12	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	93.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63152.D	1	08/13/19 03:33	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	16.8 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	6.4	1.9	mg/kg	
	EPH (> C28-C40)	ND	6.4	1.9	mg/kg	
	Total EPH (C9-C40)	ND	6.4	1.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		40-140%
3386-33-2	1-Chlorooctadecane	94%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(8-16')		
Lab Sample ID:	JC92959-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186490.D	1	08/12/19 18:59	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	350	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	36.3	35	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	33.9	35	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	38.2	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	20.4	35	17	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	6.1	69	5.0	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(8-16')		
Lab Sample ID:	JC92959-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	69	14	ug/kg	
218-01-9	Chrysene	33.6	35	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	8.1	ug/kg	
206-44-0	Fluoranthene	72.9	35	15	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	50.5	35	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	12.4	35	9.7	ug/kg	J
98-95-3	Nitrobenzene [a]	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	70.2	35	12	ug/kg	
129-00-0	Pyrene	70.2	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(8-16')		
Lab Sample ID:	JC92959-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		27-114%
118-79-6	2,4,6-Tribromophenol	75%		19-152%
4165-60-0	Nitrobenzene-d5	73%		26-134%
321-60-8	2-Fluorobiphenyl	63%		39-124%
1718-51-0	Terphenyl-d14	71%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(8-16')		
Lab Sample ID:	JC92959-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25266.D	1	08/12/19 06:20	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.49	ug/kg	
12789-03-6	Chlordane	ND	33	13	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.45	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.66	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.66	0.58	ug/kg	
72-20-8	Endrin	ND	0.66	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		25-135%
877-09-8	Tetrachloro-m-xylene	73%		25-135%
2051-24-3	Decachlorobiphenyl	86%		10-156%
2051-24-3	Decachlorobiphenyl	90%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(8-16')		
Lab Sample ID:	JC92959-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190646.D	1	08/12/19 22:41	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		31-146%
877-09-8	Tetrachloro-m-xylene	117%		31-146%
2051-24-3	Decachlorobiphenyl	113%		17-164%
2051-24-3	Decachlorobiphenyl	109%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(8-16')		
Lab Sample ID:	JC92959-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.9
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4690	53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	24.0	21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.24	0.21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	5120	530	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.3	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.3	5.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	11.1	2.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8790	53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	7.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4290	530	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	202	1.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.031	0.031	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	9.7	4.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	14.8	5.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	30.4	5.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-5-WC(8-16')		
Lab Sample ID:	JC92959-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.9
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	< 0.24	0.24	mg/kg	1	08/13/19 13:47	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	322		mv	1	08/15/19 08:19	MS	ASTM D1498-76M
Solids, Percent	94.9		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.57		su	1	08/15/19 08:19	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-5-WC(9-10')		
Lab Sample ID:	JC92959-14	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153936.D	1	08/13/19 18:14	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.5	12	4.9	ug/kg	J
71-43-2	Benzene	ND	0.62	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	0.69	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.55	ug/kg	
75-25-2	Bromoform	ND	6.2	0.71	ug/kg	
74-83-9	Bromomethane	ND	6.2	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	4.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.57	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.73	ug/kg	
67-66-3	Chloroform	ND	2.5	0.60	ug/kg	
74-87-3	Chloromethane	ND	6.2	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.81	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.67	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.61	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	0.90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.59	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.68	ug/kg	
76-13-1	Freon 113	ND	6.2	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.2	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(9-10')		
Lab Sample ID:	JC92959-14	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	0.86	ug/kg	
79-20-9	Methyl Acetate	ND	6.2	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.58	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	2.8	ug/kg	
75-09-2	Methylene chloride	5.5	6.2	1.2	ug/kg	J
100-42-5	Styrene	ND	2.5	0.71	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.74	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.71	ug/kg	
108-88-3	Toluene	ND	1.2	0.65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.68	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.94	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.84	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.59	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.72	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.72	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-5-WC(9-10')		
Lab Sample ID:	JC92959-14	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63153.D	1	08/13/19 04:07	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.2	2.1	mg/kg	
	EPH (> C28-C40)	ND	7.2	2.1	mg/kg	
	Total EPH (C9-C40)	ND	7.2	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		40-140%
3386-33-2	1-Chlorooctadecane	94%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(0-8')		
Lab Sample ID:	JC92959-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186489.D	1	08/12/19 18:32	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(0-8')		
Lab Sample ID:	JC92959-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.4
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	72	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.5	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene [a]	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	ND	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		23-115%

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(0-8')		
Lab Sample ID:	JC92959-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.4
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	60%		27-114%
118-79-6	2,4,6-Tribromophenol	71%		19-152%
4165-60-0	Nitrobenzene-d5	74%		26-134%
321-60-8	2-Fluorobiphenyl	63%		39-124%
1718-51-0	Terphenyl-d14	73%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(0-8')		
Lab Sample ID:	JC92959-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	91.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25267.D	1	08/12/19 06:36	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.71	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.71	0.58	ug/kg	
319-85-7	beta-BHC	ND	0.71	0.64	ug/kg	
319-86-8	delta-BHC	ND	0.71	0.68	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.71	0.52	ug/kg	
12789-03-6	Chlordane	ND	36	14	ug/kg	
60-57-1	Dieldrin	ND	0.71	0.49	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.71	0.65	ug/kg	
72-55-9	4,4'-DDE	ND	0.71	0.62	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.71	0.63	ug/kg	
72-20-8	Endrin	ND	0.71	0.55	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.71	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.71	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.71	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	0.71	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.71	0.61	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.71	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		25-135%
877-09-8	Tetrachloro-m-xylene	87%		25-135%
2051-24-3	Decachlorobiphenyl	109%		10-156%
2051-24-3	Decachlorobiphenyl	109%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(0-8')		
Lab Sample ID:	JC92959-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190647.D	1	08/12/19 23:06	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%		31-146%
877-09-8	Tetrachloro-m-xylene	132%		31-146%
2051-24-3	Decachlorobiphenyl	116%		17-164%
2051-24-3	Decachlorobiphenyl	124%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(0-8')		
Lab Sample ID:	JC92959-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.4
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6170	55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	31.0	22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.28	0.22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1630	550	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	19.6	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	12.7	2.8	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11700	55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	3.4	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3380	550	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	249	1.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.7	4.4	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	20.6	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	30.2	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-4-WC(0-8')		
Lab Sample ID:	JC92959-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.4
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.52	0.44	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	< 0.25	0.25	mg/kg	1	08/13/19 13:48	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	318		mv	1	08/15/19 08:20	MS	ASTM D1498-76M
Solids, Percent	91.4		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	7.49		su	1	08/15/19 08:20	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-4-WC(5-6')		
Lab Sample ID:	JC92959-16	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153937.D	1	08/13/19 18:37	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.8	11	4.5	ug/kg	J
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform	ND	5.6	0.65	ug/kg	
74-83-9	Bromomethane	ND	5.6	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.67	ug/kg	
67-66-3	Chloroform	ND	2.3	0.55	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.74	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.94	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.63	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.62	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.82	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.95	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.62	ug/kg	
76-13-1	Freon 113	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(5-6')		
Lab Sample ID:	JC92959-16	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.2
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.79	ug/kg	
79-20-9	Methyl Acetate	ND	5.6	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	0.99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.6	ug/kg	
75-09-2	Methylene chloride	3.8	5.6	1.1	ug/kg	J
100-42-5	Styrene	ND	2.3	0.65	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.68	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.66	ug/kg	
108-88-3	Toluene	ND	1.1	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.63	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.86	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.77	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.54	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.66	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	103%		75-130%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(5-6')		
Lab Sample ID:	JC92959-16	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	92.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63154.D	1	08/13/19 04:40	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.0	2.1	mg/kg	
	EPH (> C28-C40)	ND	7.0	2.1	mg/kg	
	Total EPH (C9-C40)	ND	7.0	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		40-140%
3386-33-2	1-Chlorooctadecane	91%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(8-16')		
Lab Sample ID:	JC92959-17	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186488.D	1	08/12/19 18:05	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	29	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	350	93	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(8-16')		
Lab Sample ID:	JC92959-17	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	69	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	8.1	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.0	ug/kg	
91-20-3	Naphthalene	ND	35	9.8	ug/kg	
98-95-3	Nitrobenzene [a]	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	ND	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(8-16')		
Lab Sample ID:	JC92959-17	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		27-114%
118-79-6	2,4,6-Tribromophenol	67%		19-152%
4165-60-0	Nitrobenzene-d5	66%		26-134%
321-60-8	2-Fluorobiphenyl	56%		39-124%
1718-51-0	Terphenyl-d14	64%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(8-16')		
Lab Sample ID:	JC92959-17	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25268.D	1	08/12/19 06:53	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
12789-03-6	Chlordane	ND	34	13	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.68	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.68	0.60	ug/kg	
72-20-8	Endrin	ND	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		25-135%
877-09-8	Tetrachloro-m-xylene	78%		25-135%
2051-24-3	Decachlorobiphenyl	96%		10-156%
2051-24-3	Decachlorobiphenyl	99%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(8-16')		
Lab Sample ID:	JC92959-17	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190648.D	1	08/12/19 23:31	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		31-146%
877-09-8	Tetrachloro-m-xylene	120%		31-146%
2051-24-3	Decachlorobiphenyl	105%		17-164%
2051-24-3	Decachlorobiphenyl	113%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CD-4-WC(8-16')
Lab Sample ID: JC92959-17
Matrix: SO - Soil
Project: 37-11 30th Street, Queens, NY

Date Sampled: 08/07/19
Date Received: 08/08/19
Percent Solids: 93.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6450	51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	28.8	21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.30	0.21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	2090	510	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	15.7	1.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.2	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.4	2.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11500	51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	4.8	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2950	510	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	282	1.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.031	0.031	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.6	4.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	20.6	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	24.8	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-4-WC(8-16')		
Lab Sample ID:	JC92959-17	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	93.6
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.79	0.43	mg/kg	1	08/14/19 17:03	NV	SW846 3060A/7196A
Cyanide	< 0.26	0.26	mg/kg	1	08/13/19 13:50	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	347		mv	1	08/15/19 08:26	MS	ASTM D1498-76M
Solids, Percent	93.6		%	1	08/14/19 17:10	BG	SM2540 G 18TH ED MOD
pH	6.73		su	1	08/15/19 08:26	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-4-WC(9-10')		
Lab Sample ID:	JC92959-18	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153938.D	1	08/13/19 19:01	PS	08/09/19 08:00	n/a	V3C6894
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.4	11	4.5	ug/kg	
71-43-2	Benzene	ND	0.57	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.64	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform	ND	5.7	0.65	ug/kg	
74-83-9	Bromomethane	ND	5.7	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.7	0.67	ug/kg	
67-66-3	Chloroform	ND	2.3	0.55	ug/kg	
74-87-3	Chloromethane	ND	5.7	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.95	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.64	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.62	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	0.82	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.95	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.54	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.63	ug/kg	
76-13-1	Freon 113	ND	5.7	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.7	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(9-10')		
Lab Sample ID:	JC92959-18	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.8
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.79	ug/kg	
79-20-9	Methyl Acetate	ND	5.7	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	0.99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	2.6	ug/kg	
75-09-2	Methylene chloride	9.7	5.7	1.1	ug/kg	
100-42-5	Styrene	ND	2.3	0.65	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.68	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.66	ug/kg	
108-88-3	Toluene	ND	1.1	0.60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.63	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.86	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.78	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.55	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.66	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	101%		75-130%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-4-WC(9-10')		
Lab Sample ID:	JC92959-18	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	93.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Z63155.D	1	08/13/19 05:14	TL	08/12/19 09:35	OP22044	G4Z1986
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	6.9	2.0	mg/kg	
	EPH (> C28-C40)	ND	6.9	2.0	mg/kg	
	Total EPH (C9-C40)	ND	6.9	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		40-140%
3386-33-2	1-Chlorooctadecane	78%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(0-8')		
Lab Sample ID:	JC92959-19	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P484367.D	1	08/15/19 02:05	CS	08/14/19 15:10	OP22063	E6P2699
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	350	93	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	14.0	35	9.9	ug/kg	J
50-32-8	Benzo(a)pyrene	37.5	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	170	13	ug/kg	
86-74-8	Carbazole	ND	70	5.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(0-8')		
Lab Sample ID:	JC92959-19	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	70	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	70	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	8.7	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	8.2	ug/kg	
206-44-0	Fluoranthene	17.6	35	16	ug/kg	J
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	8.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	16	ug/kg	
78-59-1	Isophorone	ND	70	7.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.9	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.0	ug/kg	
91-20-3	Naphthalene	ND	35	9.8	ug/kg	
98-95-3	Nitrobenzene	ND	70	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	16.5	35	11	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(0-8')		
Lab Sample ID:	JC92959-19	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	61%		27-114%
118-79-6	2,4,6-Tribromophenol	65%		19-152%
4165-60-0	Nitrobenzene-d5	76%		26-134%
321-60-8	2-Fluorobiphenyl	63%		39-124%
1718-51-0	Terphenyl-d14	72%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(0-8')		
Lab Sample ID:	JC92959-19	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G960757.D	1	08/14/19 03:46	CP	08/13/19 10:05	OP22068	G4G2806
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
12789-03-6	Chlordane	ND	34	13	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.69	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	0.69	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.69	0.61	ug/kg	
72-20-8	Endrin	ND	0.69	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		25-135%
877-09-8	Tetrachloro-m-xylene	65%		25-135%
2051-24-3	Decachlorobiphenyl	54%		10-156%
2051-24-3	Decachlorobiphenyl	56%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(0-8')		
Lab Sample ID:	JC92959-19	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G90365.D	1	08/14/19 08:17	TR	08/13/19 10:05	OP22062	G5G2189
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	19	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	15	ug/kg	
37324-23-5	Aroclor 1262	29.4	34	23	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		31-146%
877-09-8	Tetrachloro-m-xylene	73%		31-146%
2051-24-3	Decachlorobiphenyl	76%		17-164%
2051-24-3	Decachlorobiphenyl	77%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(0-8')		
Lab Sample ID:	JC92959-19	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.9
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6000	54	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	27.6	22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.31	0.22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1420	540	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	12.6	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.4	5.4	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	14.3	2.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	9890	54	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	6.3	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2290	540	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	240	1.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.032	0.032	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.2	4.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	22.4	5.4	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	22.1	5.4	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-3-WC(0-8')		
Lab Sample ID:	JC92959-19	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.9
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	08/20/19 17:25	NV	SW846 3060A/7196A
Cyanide	< 0.23	0.23	mg/kg	1	08/20/19 12:14	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	354		mv	1	08/19/19 16:16	MS	ASTM D1498-76M
Solids, Percent	94.9		%	1	08/15/19 11:02	RC	SM2540 G 18TH ED MOD
pH	7.15		su	1	08/19/19 16:16	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-3-WC(5-6')		
Lab Sample ID:	JC92959-20	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153949.D	1	08/14/19 10:26	PS	08/09/19 08:00	n/a	V3C6895
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	5.0	ug/kg	
71-43-2	Benzene	ND	0.63	0.57	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	0.70	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.56	ug/kg	
75-25-2	Bromoform	ND	6.3	0.73	ug/kg	
74-83-9	Bromomethane	ND	6.3	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	4.7	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.78	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.58	ug/kg	
75-00-3	Chloroethane	ND	6.3	0.74	ug/kg	
67-66-3	Chloroform	ND	2.5	0.62	ug/kg	
74-87-3	Chloromethane	ND	6.3	2.5	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.83	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.70	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.53	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.69	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.62	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.62	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	0.91	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.62	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.59	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.77	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.60	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.60	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.58	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.69	ug/kg	
76-13-1	Freon 113	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	6.3	2.7	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(5-6')		
Lab Sample ID:	JC92959-20	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.3
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	0.88	ug/kg	
79-20-9	Methyl Acetate	ND	6.3	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.59	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	2.9	ug/kg	
75-09-2	Methylene chloride	7.3	6.3	1.3	ug/kg	
100-42-5	Styrene	ND	2.5	0.72	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.75	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.73	ug/kg	
108-88-3	Toluene	ND	1.3	0.66	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.61	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.70	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.96	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.86	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.61	ug/kg	
	m,p-Xylene	ND	1.3	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.73	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.73	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(5-6')		
Lab Sample ID:	JC92959-20	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	90.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63184.D	1	08/14/19 05:23	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.3	2.2	mg/kg	
	EPH (> C28-C40)	ND	7.3	2.2	mg/kg	
	Total EPH (C9-C40)	ND	7.3	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%
3386-33-2	1-Chlorooctadecane	88%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(8-16')		
Lab Sample ID:	JC92959-21	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P484368.D	1	08/15/19 02:28	CS	08/14/19 15:10	OP22063	E6P2699
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	95	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(8-16')		
Lab Sample ID:	JC92959-21	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.4	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.4	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.9	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	ND	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(8-16')		
Lab Sample ID:	JC92959-21	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	43%		27-114%
118-79-6	2,4,6-Tribromophenol	43%		19-152%
4165-60-0	Nitrobenzene-d5	56%		26-134%
321-60-8	2-Fluorobiphenyl	44%		39-124%
1718-51-0	Terphenyl-d14	49%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(8-16')		
Lab Sample ID:	JC92959-21	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	91.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G960758.D	1	08/14/19 04:03	CP	08/13/19 10:05	OP22068	G4G2806
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.49	ug/kg	
12789-03-6	Chlordane	ND	33	13	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT	ND	0.66	0.59	ug/kg	
72-20-8	Endrin	ND	0.66	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
8001-35-2	Toxaphene	ND	17	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		25-135%
877-09-8	Tetrachloro-m-xylene	74%		25-135%
2051-24-3	Decachlorobiphenyl	62%		10-156%
2051-24-3	Decachlorobiphenyl	64%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(8-16')		
Lab Sample ID:	JC92959-21	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G90366.D	1	08/14/19 08:49	TR	08/13/19 10:05	OP22062	G5G2189
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		31-146%
877-09-8	Tetrachloro-m-xylene	80%		31-146%
2051-24-3	Decachlorobiphenyl	88%		17-164%
2051-24-3	Decachlorobiphenyl	81%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(8-16')		
Lab Sample ID:	JC92959-21	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.7
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7130	55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	41.6	22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.22	0.22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1450	550	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	12.8	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.5	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	14.0	2.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11000	55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	3.9	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3780	550	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	258	1.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.6	4.4	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	22.2	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	32.7	5.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-3-WC(8-16')		
Lab Sample ID:	JC92959-21	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.7
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.44	0.44	mg/kg	1	08/20/19 17:31	NV	SW846 3060A/7196A
Cyanide	< 0.26	0.26	mg/kg	1	08/20/19 12:16	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	343		mv	1	08/19/19 16:18	MS	ASTM D1498-76M
Solids, Percent	91.7		%	1	08/15/19 11:02	RC	SM2540 G 18TH ED MOD
pH	7.25		su	1	08/19/19 16:18	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-3-WC(9-10')		
Lab Sample ID:	JC92959-22	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153950.D	1	08/14/19 10:49	PS	08/09/19 08:00	n/a	V3C6895
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.55	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.62	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.49	ug/kg	
75-25-2	Bromoform	ND	5.5	0.64	ug/kg	
74-83-9	Bromomethane	ND	5.5	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.65	ug/kg	
67-66-3	Chloroform	ND	2.2	0.54	ug/kg	
74-87-3	Chloromethane	ND	5.5	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.72	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.92	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.46	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.60	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.54	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	0.80	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.67	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.61	ug/kg	
76-13-1	Freon 113	ND	5.5	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(9-10')		
Lab Sample ID:	JC92959-22	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.7
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	0.77	ug/kg	
79-20-9	Methyl Acetate	ND	5.5	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.96	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	2.5	ug/kg	
75-09-2	Methylene chloride	4.1	5.5	1.1	ug/kg	J
100-42-5	Styrene	ND	2.2	0.63	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.66	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.64	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.53	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.61	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.84	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.75	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.53	ug/kg	
	m,p-Xylene	ND	1.1	0.99	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	105%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-3-WC(9-10')		
Lab Sample ID:	JC92959-22	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	90.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63185.D	1	08/14/19 05:57	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.3	2.2	mg/kg	
	EPH (> C28-C40)	ND	7.3	2.2	mg/kg	
	Total EPH (C9-C40)	ND	7.3	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		40-140%
3386-33-2	1-Chlorooctadecane	72%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(0-8')		
Lab Sample ID:	JC92959-23	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P88928.D	1	08/16/19 20:16	AR	08/16/19 09:35	OP22069	E2P3935
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	33.5	35	9.9	ug/kg	J
50-32-8	Benzo(a)pyrene	28.1	35	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	34.4	35	15	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	19.5	35	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	70	5.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(0-8')		
Lab Sample ID:	JC92959-23	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	70	14	ug/kg	
218-01-9	Chrysene	26.8	35	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	70	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	8.7	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	8.2	ug/kg	
206-44-0	Fluoranthene	52.8	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	8.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	16.9	35	16	ug/kg	J
78-59-1	Isophorone	ND	70	7.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.9	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.1	ug/kg	
91-20-3	Naphthalene	ND	35	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	70	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	20.7	35	12	ug/kg	J
129-00-0	Pyrene	48.0	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		23-115%

ND = Not detected MDL = Method Detection Limit
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Report of Analysis

Client Sample ID:	CD-2-WC(0-8')		
Lab Sample ID:	JC92959-23	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	50%		27-114%
118-79-6	2,4,6-Tribromophenol	65%		19-152%
4165-60-0	Nitrobenzene-d5	50%		26-134%
321-60-8	2-Fluorobiphenyl	53%		39-124%
1718-51-0	Terphenyl-d14	60%		36-134%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(0-8')		
Lab Sample ID:	JC92959-23	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G960759.D	1	08/14/19 04:20	CP	08/13/19 10:05	OP22068	G4G2806
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.65	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.65	0.53	ug/kg	
319-85-7	beta-BHC	ND	0.65	0.59	ug/kg	
319-86-8	delta-BHC	ND	0.65	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.65	0.48	ug/kg	
12789-03-6	Chlordane	ND	33	12	ug/kg	
60-57-1	Dieldrin	ND	0.65	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	0.65	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	0.65	0.57	ug/kg	
50-29-3	4,4'-DDT	ND	0.65	0.58	ug/kg	
72-20-8	Endrin	ND	0.65	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.65	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.65	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.65	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.65	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.65	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.65	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		25-135%
877-09-8	Tetrachloro-m-xylene	90%		25-135%
2051-24-3	Decachlorobiphenyl	75%		10-156%
2051-24-3	Decachlorobiphenyl	80%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(0-8')		
Lab Sample ID:	JC92959-23	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	92.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G90367.D	1	08/14/19 09:23	TR	08/13/19 10:05	OP22062	G5G2189
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	13	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	24.6	33	21	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		31-146%
877-09-8	Tetrachloro-m-xylene	98%		31-146%
2051-24-3	Decachlorobiphenyl	101%		17-164%
2051-24-3	Decachlorobiphenyl	101%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CD-2-WC(0-8')
Lab Sample ID: JC92959-23
Matrix: SO - Soil
Project: 37-11 30th Street, Queens, NY

Date Sampled: 08/07/19
Date Received: 08/08/19
Percent Solids: 92.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5850	56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	35.7	22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.30	0.22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1280	560	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	12.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.6	5.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	12.7	2.8	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	9850	56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	8.4	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2780	560	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	294	1.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	10.3	4.4	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	22.3	5.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	27.8	5.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-2-WC(0-8')		
Lab Sample ID:	JC92959-23	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	92.7
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.47	0.43	mg/kg	1	08/20/19 17:31	NV	SW846 3060A/7196A
Cyanide	< 0.22	0.22	mg/kg	1	08/20/19 12:17	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	345		mv	1	08/19/19 16:23	MS	ASTM D1498-76M
Solids, Percent	92.7		%	1	08/15/19 11:02	RC	SM2540 G 18TH ED MOD
pH	7.61		su	1	08/19/19 16:23	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-2-WC(5-6')		
Lab Sample ID:	JC92959-24	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153951.D	1	08/14/19 11:12	PS	08/09/19 08:00	n/a	V3C6895
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.1	12	5.0	ug/kg	
71-43-2	Benzene	ND	0.62	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	0.70	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.55	ug/kg	
75-25-2	Bromoform	ND	6.2	0.72	ug/kg	
74-83-9	Bromomethane	ND	6.2	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	4.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.77	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.57	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.73	ug/kg	
67-66-3	Chloroform	ND	2.5	0.61	ug/kg	
74-87-3	Chloromethane	ND	6.2	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.82	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.70	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.68	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.62	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.61	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	0.90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.76	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.59	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.59	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.57	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.69	ug/kg	
76-13-1	Freon 113	ND	6.2	1.3	ug/kg	
591-78-6	2-Hexanone	ND	6.2	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(5-6')		
Lab Sample ID:	JC92959-24	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.5
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	0.87	ug/kg	
79-20-9	Methyl Acetate	ND	6.2	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.58	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	2.8	ug/kg	
75-09-2	Methylene chloride	9.9	6.2	1.2	ug/kg	
100-42-5	Styrene	ND	2.5	0.71	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.74	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.72	ug/kg	
108-88-3	Toluene	ND	1.2	0.65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.60	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.69	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.95	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.85	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.60	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.72	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.72	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	101%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

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Report of Analysis

Client Sample ID:	CD-2-WC(5-6')		
Lab Sample ID:	JC92959-24	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	89.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63186.D	1	08/14/19 06:31	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.4	2.2	mg/kg	
	EPH (> C28-C40)	ND	7.4	2.2	mg/kg	
	Total EPH (C9-C40)	ND	7.4	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		40-140%
3386-33-2	1-Chlorooctadecane	87%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(8-16')		
Lab Sample ID:	JC92959-25	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P88929.D	1	08/16/19 20:37	AR	08/16/19 09:35	OP22069	E2P3935
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	370	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	75	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.0	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	37	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	9.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	75	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	ND	75	5.4	ug/kg	

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Report of Analysis

Client Sample ID:	CD-2-WC(8-16')		
Lab Sample ID:	JC92959-25	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	75	15	ug/kg	
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	8.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	75	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	75	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	75	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	6.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	9.3	ug/kg	
84-66-2	Diethyl phthalate	ND	75	8.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	8.7	ug/kg	
206-44-0	Fluoranthene	ND	37	17	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	9.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	18	ug/kg	
78-59-1	Isophorone	ND	75	8.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.4	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.7	ug/kg	
91-20-3	Naphthalene	ND	37	11	ug/kg	
98-95-3	Nitrobenzene	ND	75	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	37	13	ug/kg	
129-00-0	Pyrene	ND	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		23-115%

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Report of Analysis

Client Sample ID:	CD-2-WC(8-16')		
Lab Sample ID:	JC92959-25	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	55%		27-114%
118-79-6	2,4,6-Tribromophenol	69%		19-152%
4165-60-0	Nitrobenzene-d5	53%		26-134%
321-60-8	2-Fluorobiphenyl	57%		39-124%
1718-51-0	Terphenyl-d14	69%		36-134%

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Report of Analysis

Client Sample ID:	CD-2-WC(8-16')		
Lab Sample ID:	JC92959-25	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G960760.D	1	08/14/19 04:37	CP	08/13/19 10:05	OP22068	G4G2806
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
12789-03-6	Chlordane	ND	34	13	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.69	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	0.69	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.69	0.61	ug/kg	
72-20-8	Endrin	ND	0.69	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		25-135%
877-09-8	Tetrachloro-m-xylene	84%		25-135%
2051-24-3	Decachlorobiphenyl	70%		10-156%
2051-24-3	Decachlorobiphenyl	74%		10-156%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(8-16')		
Lab Sample ID:	JC92959-25	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G90372.D	1	08/14/19 12:41	TR	08/13/19 10:05	OP22062	G5G2189
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	27.4	34	22	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		31-146%
877-09-8	Tetrachloro-m-xylene	90%		31-146%
2051-24-3	Decachlorobiphenyl	93%		17-164%
2051-24-3	Decachlorobiphenyl	93%		17-164%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(8-16')		
Lab Sample ID:	JC92959-25	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	89.3
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7530	56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	47.7	22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.37	0.22	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1300	560	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	14.7	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	7.5	5.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.3	2.8	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	12400	56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	5.0	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4060	560	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	350	1.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	15.9	4.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	21.1	5.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	54.3	5.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-2-WC(8-16')		
Lab Sample ID:	JC92959-25	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	89.3
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.45	0.45	mg/kg	1	08/20/19 17:31	NV	SW846 3060A/7196A
Cyanide	< 0.24	0.24	mg/kg	1	08/20/19 12:19	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	348		mv	1	08/19/19 16:25	MS	ASTM D1498-76M
Solids, Percent	89.3		%	1	08/15/19 11:02	RC	SM2540 G 18TH ED MOD
pH	7.39		su	1	08/19/19 16:25	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-2-WC(9-10')		
Lab Sample ID:	JC92959-26	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153952.D	1	08/14/19 11:35	PS	08/09/19 08:00	n/a	V3C6895
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.5	12	4.8	ug/kg	J
71-43-2	Benzene	ND	0.60	0.55	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.67	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.53	ug/kg	
75-25-2	Bromoform	ND	6.0	0.69	ug/kg	
74-83-9	Bromomethane	ND	6.0	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	4.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.74	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.55	ug/kg	
75-00-3	Chloroethane	ND	6.0	0.71	ug/kg	
67-66-3	Chloroform	ND	2.4	0.59	ug/kg	
74-87-3	Chloromethane	ND	6.0	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.79	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.67	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.66	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.60	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.59	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	0.87	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.57	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.57	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.57	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.55	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.66	ug/kg	
76-13-1	Freon 113	ND	6.0	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.0	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(9-10')		
Lab Sample ID:	JC92959-26	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.6
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	0.84	ug/kg	
79-20-9	Methyl Acetate	ND	6.0	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.56	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	2.7	ug/kg	
75-09-2	Methylene chloride	6.6	6.0	1.2	ug/kg	
100-42-5	Styrene	ND	2.4	0.69	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.72	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.70	ug/kg	
108-88-3	Toluene	ND	1.2	0.63	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	1.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.58	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.67	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.92	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.82	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.58	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.70	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-2-WC(9-10')		
Lab Sample ID:	JC92959-26	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	86.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63187.D	1	08/14/19 07:05	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.7	2.3	mg/kg	
	EPH (> C28-C40)	ND	7.7	2.3	mg/kg	
	Total EPH (C9-C40)	ND	7.7	2.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		40-140%
3386-33-2	1-Chlorooctadecane	85%		40-140%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(0-8')		
Lab Sample ID:	JC92959-27	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P88930.D	1	08/16/19 20:58	AR	08/16/19 09:35	OP22069	E2P3935
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	93	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	10.1	35	9.9	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	170	13	ug/kg	
86-74-8	Carbazole	ND	70	5.1	ug/kg	

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Report of Analysis

Client Sample ID:	CD-1-WC(0-8')		
Lab Sample ID:	JC92959-27	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	70	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	70	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	8.7	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	8.2	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	8.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	16	ug/kg	
78-59-1	Isophorone	ND	70	7.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.9	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.1	ug/kg	
91-20-3	Naphthalene	ND	35	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	70	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	11.7	35	11	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		23-115%

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Report of Analysis

Client Sample ID:	CD-1-WC(0-8')		
Lab Sample ID:	JC92959-27	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	55%		27-114%
118-79-6	2,4,6-Tribromophenol	70%		19-152%
4165-60-0	Nitrobenzene-d5	55%		26-134%
321-60-8	2-Fluorobiphenyl	56%		39-124%
1718-51-0	Terphenyl-d14	70%		36-134%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(0-8')		
Lab Sample ID:	JC92959-27	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G960761.D	1	08/14/19 04:54	CP	08/13/19 10:05	OP22068	G4G2806
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.63	0.52	ug/kg	
319-84-6	alpha-BHC	ND	0.63	0.52	ug/kg	
319-85-7	beta-BHC	ND	0.63	0.57	ug/kg	
319-86-8	delta-BHC	ND	0.63	0.61	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.63	0.47	ug/kg	
12789-03-6	Chlordane	ND	32	12	ug/kg	
60-57-1	Dieldrin	ND	0.63	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	0.63	0.58	ug/kg	
72-55-9	4,4'-DDE	ND	0.63	0.56	ug/kg	
50-29-3	4,4'-DDT	ND	0.63	0.56	ug/kg	
72-20-8	Endrin	ND	0.63	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.63	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.63	0.36	ug/kg	
959-98-8	Endosulfan-I	ND	0.63	0.37	ug/kg	
33213-65-9	Endosulfan-II	ND	0.63	0.40	ug/kg	
76-44-8	Heptachlor	ND	0.63	0.55	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.63	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.50	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	56%		25-135%
877-09-8	Tetrachloro-m-xylene	61%		25-135%
2051-24-3	Decachlorobiphenyl	52%		10-156%
2051-24-3	Decachlorobiphenyl	55%		10-156%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(0-8')		
Lab Sample ID:	JC92959-27	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.3
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G90373.D	1	08/14/19 13:15	TR	08/13/19 10:05	OP22062	G5G2189
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	15	ug/kg	
11104-28-2	Aroclor 1221	ND	32	20	ug/kg	
11141-16-5	Aroclor 1232	ND	32	20	ug/kg	
53469-21-9	Aroclor 1242	ND	32	13	ug/kg	
12672-29-6	Aroclor 1248	ND	32	28	ug/kg	
11097-69-1	Aroclor 1254	ND	32	17	ug/kg	
11096-82-5	Aroclor 1260	ND	32	14	ug/kg	
11100-14-4	Aroclor 1268	ND	32	13	ug/kg	
37324-23-5	Aroclor 1262	ND	32	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		31-146%
877-09-8	Tetrachloro-m-xylene	65%		31-146%
2051-24-3	Decachlorobiphenyl	69%		17-164%
2051-24-3	Decachlorobiphenyl	67%		17-164%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(0-8')		
Lab Sample ID:	JC92959-27	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.3
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6980	51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	37.1	21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.28	0.21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1000	510	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	15.2	1.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.1	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.0	2.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11300	51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	6.0	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2600	510	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	290	1.5	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.031	0.031	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.1	4.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1000	1000	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	19.7	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	28.8	5.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-1-WC(0-8')		
Lab Sample ID:	JC92959-27	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.3
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	08/20/19 17:31	NV	SW846 3060A/7196A
Cyanide	< 0.24	0.24	mg/kg	1	08/20/19 12:20	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	411		mv	1	08/19/19 16:35	MS	ASTM D1498-76M
Solids, Percent	94.3		%	1	08/15/19 11:02	RC	SM2540 G 18TH ED MOD
pH	5.82		su	1	08/19/19 16:35	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-1-WC(5-6')		
Lab Sample ID:	JC92959-28	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153953.D	1	08/14/19 11:58	PS	08/09/19 08:00	n/a	V3C6895
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.6	13	5.2	ug/kg	J
71-43-2	Benzene	ND	0.65	0.59	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	0.73	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.58	ug/kg	
75-25-2	Bromoform	ND	6.5	0.75	ug/kg	
74-83-9	Bromomethane	ND	6.5	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	4.9	ug/kg	
75-15-0	Carbon disulfide	ND	2.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.6	0.80	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.60	ug/kg	
75-00-3	Chloroethane	ND	6.5	0.77	ug/kg	
67-66-3	Chloroform	ND	2.6	0.64	ug/kg	
74-87-3	Chloromethane	ND	6.5	2.6	ug/kg	
110-82-7	Cyclohexane	ND	2.6	0.86	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.6	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.73	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.55	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.71	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.65	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.64	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	0.95	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.64	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.61	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.85	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.80	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.62	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.62	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.59	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.72	ug/kg	
76-13-1	Freon 113	ND	6.5	1.3	ug/kg	
591-78-6	2-Hexanone	ND	6.5	2.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(5-6')		
Lab Sample ID:	JC92959-28	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.7
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.6	0.91	ug/kg	
79-20-9	Methyl Acetate	ND	6.5	1.8	ug/kg	
108-87-2	Methylcyclohexane	ND	2.6	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.61	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	3.0	ug/kg	
75-09-2	Methylene chloride	9.3	6.5	1.3	ug/kg	
100-42-5	Styrene	ND	2.6	0.75	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.78	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	0.75	ug/kg	
108-88-3	Toluene	ND	1.3	0.68	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	0.63	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.72	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.99	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.89	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.63	ug/kg	
	m,p-Xylene	ND	1.3	1.2	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.76	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.76	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(5-6')		
Lab Sample ID:	JC92959-28	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	93.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63188.D	1	08/14/19 07:38	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.1	2.1	mg/kg	
	EPH (> C28-C40)	ND	7.1	2.1	mg/kg	
	Total EPH (C9-C40)	ND	7.1	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		40-140%
3386-33-2	1-Chlorooctadecane	86%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(8-16')		
Lab Sample ID:	JC92959-29	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P88931.D	1	08/16/19 21:20	AR	08/16/19 09:35	OP22069	E2P3935
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	93	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	9.9	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	170	13	ug/kg	
86-74-8	Carbazole	ND	70	5.0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(8-16')		
Lab Sample ID:	JC92959-29	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.8
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	70	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	70	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	8.7	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	8.1	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	8.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	16	ug/kg	
78-59-1	Isophorone	ND	70	7.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.9	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.0	ug/kg	
91-20-3	Naphthalene	ND	35	9.8	ug/kg	
98-95-3	Nitrobenzene	ND	70	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	ND	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		23-115%

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Report of Analysis

Client Sample ID:	CD-1-WC(8-16')		
Lab Sample ID:	JC92959-29	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.8
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	57%		27-114%
118-79-6	2,4,6-Tribromophenol	72%		19-152%
4165-60-0	Nitrobenzene-d5	56%		26-134%
321-60-8	2-Fluorobiphenyl	60%		39-124%
1718-51-0	Terphenyl-d14	71%		36-134%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(8-16')		
Lab Sample ID:	JC92959-29	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G960802.D	1	08/15/19 12:28	AB	08/13/19 10:05	OP22068	G4G2808
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.53	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.59	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.48	ug/kg	
12789-03-6	Chlordane	ND	33	13	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.57	ug/kg	
50-29-3	4,4'-DDT	ND	0.66	0.58	ug/kg	
72-20-8	Endrin	ND	0.66	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		25-135%
877-09-8	Tetrachloro-m-xylene	69%		25-135%
2051-24-3	Decachlorobiphenyl	37%		10-156%
2051-24-3	Decachlorobiphenyl	45%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(8-16')		
Lab Sample ID:	JC92959-29	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G90374.D	1	08/14/19 13:49	TR	08/13/19 10:05	OP22062	G5G2189
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	13	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		31-146%
877-09-8	Tetrachloro-m-xylene	83%		31-146%
2051-24-3	Decachlorobiphenyl	84%		17-164%
2051-24-3	Decachlorobiphenyl	85%		17-164%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(8-16')		
Lab Sample ID:	JC92959-29	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.8
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4480	53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	24.1	21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.22	0.21	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	4520	530	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	9.6	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.3	5.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	10.8	2.7	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8520	53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	3.4	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4070	530	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	214	1.6	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	9.1	4.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	13.6	5.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	23.0	5.3	mg/kg	1	08/12/19	08/13/19	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47279
(3) Prep QC Batch: MP16788
(4) Prep QC Batch: MP16802

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-1-WC(8-16')		
Lab Sample ID:	JC92959-29	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.8
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	08/20/19 17:31	NV	SW846 3060A/7196A
Cyanide	< 0.25	0.25	mg/kg	1	08/20/19 12:21	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	404		mv	1	08/19/19 16:37	MS	ASTM D1498-76M
Solids, Percent	94.8		%	1	08/15/19 11:02	RC	SM2540 G 18TH ED MOD
pH	6.34		su	1	08/19/19 16:37	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CD-1-WC(9-10')		
Lab Sample ID:	JC92959-30	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	96.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C153954.D	1	08/14/19 12:22	PS	08/09/19 08:00	n/a	V3C6895
Run #2							

	Initial Weight
Run #1	3.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.9	14	5.5	ug/kg	J
71-43-2	Benzene	ND	0.68	0.62	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	0.76	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.60	ug/kg	
75-25-2	Bromoform	ND	6.8	0.79	ug/kg	
74-83-9	Bromomethane	ND	6.8	1.4	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	5.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.7	0.84	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.63	ug/kg	
75-00-3	Chloroethane	ND	6.8	0.81	ug/kg	
67-66-3	Chloroform	ND	2.7	0.67	ug/kg	
74-87-3	Chloromethane	ND	6.8	2.7	ug/kg	
110-82-7	Cyclohexane	ND	2.7	0.90	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.7	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.76	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.4	0.75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.4	0.68	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.4	0.67	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	0.99	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.68	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.64	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.89	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.83	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.7	0.65	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.65	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.62	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.75	ug/kg	
76-13-1	Freon 113	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	6.8	2.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(9-10')		
Lab Sample ID:	JC92959-30	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	96.4
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.7	0.95	ug/kg	
79-20-9	Methyl Acetate	ND	6.8	1.9	ug/kg	
108-87-2	Methylcyclohexane	ND	2.7	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.64	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.8	3.1	ug/kg	
75-09-2	Methylene chloride	5.3	6.8	1.4	ug/kg	J
100-42-5	Styrene	ND	2.7	0.78	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.82	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.79	ug/kg	
108-88-3	Toluene	ND	1.4	0.72	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.66	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.76	ug/kg	
79-01-6	Trichloroethene	ND	1.4	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	0.93	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.66	ug/kg	
	m,p-Xylene	ND	1.4	1.2	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.80	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.80	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CD-1-WC(9-10')		
Lab Sample ID:	JC92959-30	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	96.4
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Z55060.D	1	08/15/19 15:43	SH	08/15/19 04:00	OP22095	G5Z1695
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	6.8	2.0	mg/kg	
	EPH (> C28-C40)	ND	6.8	2.0	mg/kg	
	Total EPH (C9-C40)	ND	6.8	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		40-140%
3386-33-2	1-Chlorooctadecane	61%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: JC92959
Account: LNTNJWO LNT81V, Inc
Project: 37-11 30th Street, Queens, NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Redox Potential Vs H2		ASTM D1498-76M	SO	SGS is not certified for this parameter.[a]

(a) Lab cert for analyte not supported by NJDEP, OQA. Only methods/analytes required for reporting by the State of NJ can be certified in NJ. Use of this analyte for compliance must be verified through the appropriate regulatory office.

Certification exceptions shown are based on the New Jersey DEP certifications. Applicability in other states may vary. Please contact your laboratory representative if additional information is required for a specific regulatory program.

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #: KR-08519-76
SGS Quote #: | SGS Job #: JC92959

Client / Reporting Information

Company Name: Soil Manager
Street Address: 47 Warren Road
City: West Orange State: NJ Zip: 07052
Project Contact: Todd E. Sorell E-mail:
Phone #: 973-222-0145
Sampler(s) Name(s): Todd E. Sorell Phone #:

Project Information

Project Name: 37-11 30th Street
Street:
City: Queens State: NY
Project #:
Client Purchase Order #:
Project Manager: Todd E. Sorell

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: Todd E. Sorell

Requested Analysis

VOC TCL + EPH, TCL + 30 CSVI, Pest Filter

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) / Comp (C)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	CD-7-WC(0-5')		8/7/19	11:28		C	S	1					X				
2	CD-7-WC(5-4')			11:30		G	S	4					X		3		
3	CD-7-WC(5-10')			11:35		C	S	1					X				
4	CD-7-WC(6-7')			11:40		G	S	4					1		3		
5	CD-7-WC(10-15')			11:43		C	S	1					X				
6	CD-7-WC(14-15')			11:46		G	S	4					1		3		
7	CD-6-WC(0-8')			11:47		C	S	1					X				
8	CD-6-WC(7-8')			11:51		G	S	4					1		3		
9	CD-6-WC(8-16')			11:53		C	S	1					X				
10	CD-6-WC(9-10')			11:57		G	S	4					1		3		
11	CD-5-WC(0-8')			12:09		C	S	1					X				
12	CD-5-WC(5-6')			12:05		G	S	4					1		3		

BFLR
P1
Encore
4023
14 I6

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via Labink

* Approval needed for 1-3 Business Day TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format
- DOD-QSM5

Commercial "A" = Results only, Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

TOP = 0-8'
Bottom = 8-16'

http://www.sgs.com/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received by:
1		8/7/19 2058	
2		8/8/19 0810	
3		8-8-19	
4			
5			

Custody Seal #: 28306 28305 ☐ Intact ☐ Not Intact
Preserved where applicable ☐ Absent
Therm ID:
On Ice
Cooler Temp. °C: 4.1 4.6

IR-7
IP

INITIAL ASESSMENT 3Bnk

LABEL VERIFICATION

• 3 x 5g encore

SGS-ACCUTEST MARLBOR 8/8

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JC92959

Client / Reporting Information
Company Name: Soil Managers
Street Address:
City / State / Zip:
Project Contact / E-mail:
Phone #:
Sampler(s) Name(s) / Phone #:

Project Information
Project Name: 37-11 30th Street
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis
TCL VOC + TICs + 10 (TCL + 30 + CrVI) | TAL Metals + Hg + CrVI | TCL SVOC + TICs + 20 (TCL + 30 + CrVI) | TCL Pesticides + TICs + 10 (TCL + 30 + CrVI) | TCL PCBs + TICs (TCL + 30 + CrVI) | TCL Herbicides + TICs (TCL + 30 + CrVI) | TCL Organics + TICs + 30 (TCL + 30 + CrVI) | TAL Metals + Hg | TCL Pesticides + TICs | TCL PCBs + TICs | TCL Herbicides + TICs | TCL Organics + TICs + 30 | TCL VOC + TICs + 10 | TCL SVOC + TICs + 20 | TCL Organics + TICs + 30 | TCL VOC + TICs + 10 | TCL SVOC + TICs + 20 | TCL Organics + TICs + 30 | TCL VOC + TICs + 10 | TCL SVOC + TICs + 20 | TCL Organics + TICs + 30 | TCL VOC + TICs + 10 | TCL SVOC + TICs + 20 | TCL Organics + TICs + 30

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
13	CD-5-WC (8-16')		8/7/19	12:32	TS	C	S	1					X				
14	CD-5-WC (9-10)			12:35		G	S	4					1		3		
15	CD-4-WC (0-8')			12:40		C	S	1					X				
16	CD-4-WC (5-6')			12:42		G	S	4					1		3		
17	CD-4-WC (8-16')			12:45		C	S	1					X				
18	CD-4-WC (9-10')			12:50		G	S	4					1		3		
19	CD-3-WC (0-8')			12:53		C	S	1					X				
20	CD-3-WC (5-6')			12:57		G	S	4					1		3		
21	CD-3-WC (8-16')			13:00		C	S	1					X				
22	CD-3-WC (9-10')			13:05		G	S	4					1		3		
23	CD-2-WC (0-8')			13:10		C	S	1					X				
24	CD-2-WC (5-6')			13:14		G	S	4					1		3		

Turn Around Time (Business Days)
Approved By (SGS PM); / Date:
- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via Labiink
* Approval needed for 1-3 Business Day TAT

Deliverable
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format
- DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
TOP = 0-8'
Bottom = 8-16'

http://www.sgs.com/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		8/7/19 2055	
2			
3		8-8-19 1715	
4		8/8/19 0845	
5			

Custody Seal # | Intact | Not Intact | Preserved where applicable | Absent | Therm. ID | On Ice | Cooler Temp. °C

SGS-ACCUTEST MARLBOR

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JC 92959

Client / Reporting Information
Company Name: Soil Managers
Street Address:
City / State / Zip:
Project Contact / E-mail:
Phone #:
Sampler(s) Name(s) / Phone #: Todd E Swett

Project Information
Project Name: 37-11 30th Street
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis
VOC TCL + EPH + TICs
TAL Pest + 3Cr VI

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
25	CD-2-WC (8-16')		8/7/19	12:09		C	S	1					X				
26	CD-2-WC (9-10')			12:13		G	S	4					1			3	
27	CD-1-WC (0-8)			12:17		C	S	1					X				
28	CD-1-WC (5-6')			12:21		G	S	4					1			3	
29	CD-1-WC (8-16')			12:24		C	S	1					X				
30	CD-1-WL (9-10')			12:30		G	S	4					1			3	

Turn Around Time (Business Days)
Approved By (SGS PM): / Date:
- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other
All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format_____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
Top = 0-8'
Bottom - 8-16'

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		8/7/19 2055	
2		8/8/19 0815	
3		8-8-19 1715	
4			
5			

Custody Seal #: | Intact / Not Intact | Preserved where applicable: Absent / Therm. ID | On Ice | Cooler Temp. °C

SGS-ACCUTEST MARLBOR

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

SGS Sample Receipt Summary

Job Number: JC92959 **Client:** _____ **Project:** _____

Date / Time Received: 8/8/2019 5:15:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6); Cooler 2: (4.1);

Cooler Temps (Corrected) °C: Cooler 1: (4.5); Cooler 2: (4.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify) _____ _____

Comments

SM089-03
Rev. Date 12/7/17

JC92959: Chain of Custody
Page 4 of 4

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

LNT81V, Inc

37-11 30th Street, Queens, NY

SGS Job Number: JC92961

Sampling Date: 08/07/19

Report to:

tsarett@gmail.com

ATTN: Distribution4

Total number of pages in report: 67

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Sample Summary

LNT81V, Inc

37-11 30th Street, Queens, NY

Job No: JC92961

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC92961-1	08/07/19	10:30	TS	08/08/19	SO	Soil	UT-1-WC(0-8)
JC92961-1A	08/07/19	10:30	TS	08/08/19	SO	Soil	UT-1-WC(0-8)
JC92961-1B	08/07/19	10:30	TS	08/08/19	SO	Soil	UT-1-WC(0-8)
JC92961-2	08/07/19	10:33	TS	08/08/19	SO	Soil	UT-1-WC(5-6)
JC92961-3	08/07/19	10:36	TS	08/08/19	SO	Soil	UT-1-WC(8-16)
JC92961-3A	08/07/19	10:36	TS	08/08/19	SO	Soil	UT-1-WC(8-16)
JC92961-3B	08/07/19	10:36	TS	08/08/19	SO	Soil	UT-1-WC(8-16)
JC92961-4	08/07/19	10:38	TS	08/08/19	SO	Soil	UT-1-WC(9-10)
JC92961-5	08/07/19	10:50	TS	08/08/19	SO	Soil	UT-2-WC(0-8)
JC92961-5A	08/07/19	10:50	TS	08/08/19	SO	Soil	UT-2-WC(0-8)
JC92961-5B	08/07/19	10:50	TS	08/08/19	SO	Soil	UT-2-WC(0-8)
JC92961-6	08/07/19	10:51	TS	08/08/19	SO	Soil	UT-2-WC(4-5)
JC92961-7	08/07/19	10:55	TS	08/08/19	SO	Soil	UT-2-WC(8-16)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

LNT81V, Inc

Job No: JC92961

37-11 30th Street, Queens, NY

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JC92961-7A	08/07/19	10:55	TS	08/08/19	SO	Soil	UT-2-WC(8-16)
	JC92961-7B	08/07/19	10:55	TS	08/08/19	SO	Soil	UT-2-WC(8-16)
	JC92961-8	08/07/19	11:00	TS	08/08/19	SO	Soil	UT-2-WC(9-10)
*	JC92961-9	08/07/19	11:05	TS	08/08/19	SO	Soil	UT-3-WC(0-8)
*	JC92961-9A	08/07/19	11:05	TS	08/08/19	SO	Soil	UT-3-WC(0-8)
*	JC92961-9B	08/07/19	11:05	TS	08/08/19	SO	Soil	UT-3-WC(0-8)
*	JC92961-10	08/07/19	11:10	TS	08/08/19	SO	Soil	UT-3-WC(3-4)
*	JC92961-11	08/07/19	11:20	TS	08/08/19	SO	Soil	UT-3-WC(8-16)
*	JC92961-11A	08/07/19	11:20	TS	08/08/19	SO	Soil	UT-3-WC(8-16)
*	JC92961-11B	08/07/19	11:20	TS	08/08/19	SO	Soil	UT-3-WC(8-16)
*	JC92961-12	08/07/19	11:25	TS	08/08/19	SO	Soil	UT-3-WC(9-10)
*	JC92961-13	08/07/19	13:17	TS	08/08/19	SO	Soil	UT-4-WC(0-8)
*	JC92961-13A	08/07/19	13:17	TS	08/08/19	SO	Soil	UT-4-WC(0-8)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

LNT81V, Inc

Job No: JC92961

37-11 30th Street, Queens, NY

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JC92961-13B	08/07/19	13:17	TS	08/08/19	SO	Soil	UT-4-WC(0-8)
*	JC92961-14	08/07/19	13:20	TS	08/08/19	SO	Soil	UT-4-WC(4-5)
*	JC92961-15	08/07/19	13:25	TS	08/08/19	SO	Soil	UT-5-WC(0-8)
*	JC92961-15A	08/07/19	13:25	TS	08/08/19	SO	Soil	UT-5-WC(0-8)
*	JC92961-15B	08/07/19	13:25	TS	08/08/19	SO	Soil	UT-5-WC(0-8)
	JC92961-16	08/07/19	13:30	TS	08/08/19	SO	Soil	UT-5-WC(5-6)

* The following report applies to these samples only (7 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID: UT-3-WC(0-8)
Lab Sample ID: JC92961-9
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: 37-11 30th Street, Queens, NY

Date Sampled: 08/07/19
Date Received: 08/08/19
Percent Solids: 91.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186496.D	1	08/12/19 21:41	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	31.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	340	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	34	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	58.9	34	9.7	ug/kg	
50-32-8	Benzo(a)pyrene	54.1	34	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	67.5	34	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	37.6	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	24.7	34	16	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	14.1	69	5.0	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: UT-3-WC(0-8)
Lab Sample ID: JC92961-9
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: 37-11 30th Street, Queens, NY

Date Sampled: 08/07/19
Date Received: 08/08/19
Percent Solids: 91.9

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	69	14	ug/kg	
218-01-9	Chrysene	51.2	34	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	34	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	34	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.5	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	39.4	69	8.0	ug/kg	J
206-44-0	Fluoranthene	144	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	70.1	34	16	ug/kg	
78-59-1	Isophorone	ND	69	7.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.1	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	10.4	34	9.7	ug/kg	J
98-95-3	Nitrobenzene [a]	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	9.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	132	34	12	ug/kg	
129-00-0	Pyrene	110	34	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.9
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	61%		27-114%
118-79-6	2,4,6-Tribromophenol	72%		19-152%
4165-60-0	Nitrobenzene-d5	74%		26-134%
321-60-8	2-Fluorobiphenyl	63%		39-124%
1718-51-0	Terphenyl-d14	73%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	91.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25269.D	1	08/12/19 07:09	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.58	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
12789-03-6	Chlordane	ND	36	14	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.49	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE	ND	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.72	0.63	ug/kg	
72-20-8	Endrin	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.72	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.57	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		25-135%
877-09-8	Tetrachloro-m-xylene	102%		25-135%
2051-24-3	Decachlorobiphenyl	117%		10-156%
2051-24-3	Decachlorobiphenyl	138%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2438684.D	1	08/15/19 17:00	TR	08/15/19 08:30	OP22116	GXX6774
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	129%		31-146%
877-09-8	Tetrachloro-m-xylene	115%		31-146%
2051-24-3	Decachlorobiphenyl	108%		17-164%
2051-24-3	Decachlorobiphenyl	103%		17-164%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.9
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8770	54	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.2	2.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Barium	33.2	22	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.36	0.22	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Calcium	2330	540	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Chromium	38.4	1.1	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.4	5.4	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Copper	16.5	2.7	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Iron	11500	54	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Lead	18.0	2.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2930	540	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Manganese	262	1.6	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.075	0.034	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.1	4.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Vanadium	19.0	5.4	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Zinc	32.0	5.4	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47278
(3) Prep QC Batch: MP16796
(4) Prep QC Batch: MP16801

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.9
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	2.9	0.44	mg/kg	1	08/14/19 18:05	NV	SW846 3060A/7196A
Cyanide	< 0.23	0.23	mg/kg	1	08/13/19 13:51	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	333		mv	1	08/15/19 08:59	MS	ASTM D1498-76M
Solids, Percent	91.9		%	1	08/12/19 16:30	BG	SM2540 G 18TH ED MOD
pH	8.14		su	1	08/15/19 08:59	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	91.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P130943.D	1	08/13/19 23:43	AR	08/13/19 07:00	OP22090	EP5938
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		14-88%
4165-62-2	Phenol-d5	26%		10-110%
118-79-6	2,4,6-Tribromophenol	81%		39-149%
4165-60-0	Nitrobenzene-d5	86%		32-128%
321-60-8	2-Fluorobiphenyl	83%		35-119%
1718-51-0	Terphenyl-d14	85%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	91.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA141770.D	1	08/14/19 15:59	VDT	08/13/19 08:00	OP22088	GOA4896
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0012	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	64%		13-169%
19719-28-9	2,4-DCAA	70%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	91.9
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25352.D	1	08/13/19 21:47	RK	08/13/19 09:00	OP22086	G8G873
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%		30-137%
877-09-8	Tetrachloro-m-xylene	56%		30-137%
2051-24-3	Decachlorobiphenyl	71%		10-137%
2051-24-3	Decachlorobiphenyl	80%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.9
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.14 NC		su	1	08/15/19 08:59	MS	SW846 9045D
Cyanide Reactivity	< 11	11	mg/kg	1	08/14/19 13:11	KI	SW846 CHAP7/9012 B
HEM Oil and Grease	< 540	540	mg/kg	1	08/15/19 13:00	JOO	SW846 9071B
Ignitability (Flashpoint)	> 200		Deg. F	1	08/14/19 15:30	RI	SW846 1010A/ASTM D93
Paint Filter Test [a]	< 0.50	0.50	ml/100g	1	08/14/19 12:45	RI	SW846 9095/9095B
Solids, Total	923000	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED MOD
Solids, Total Volatile (wet wt.	16000	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED
Sulfide Reactivity	< 110	110	mg/kg	1	08/14/19 12:41	MP	SW846 CHAP7/9034
pH, Step 1 TCLP	6.63		su	1	08/11/19 10:30	TM	SW846 1311
pH, Step 2 TCLP	1.98		su	1	08/11/19 10:30	TM	SW846 1311
pH, TCLP Leachate	4.67		su	1	08/11/19 10:30	TM	SW846 1311

(a) No free liquids.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9B	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.9
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Ammonia-N ASTM Leachate [a]	< 0.20	0.20	mg/l	1	08/15/19 16:22	KI	SM4500NH3 H-11LACHAT
COD-ASTM Leachate [a]	< 20	20	mg/l	1	08/16/19 00:02	CM	SM5220 C-11,HACH8000
HEM Oil & Grease-ASTM L [a]	< 6.3	6.3	mg/l	1	08/15/19 16:00	JOO	EPA 1664A
Solids, Total-ASTM Leachate [a]	82.2	10	mg/l	1	08/15/19 16:21	RC	SM2540 B-11

(a) Result reported for Neutral Leachate ASTM 3987. Method ASTM 3987 is not a certifiable method. Refer to the appropriate regulatory program office for proper use.

RL = Reporting Limit

Report of Analysis

Client Sample ID: UT-3-WC(3-4)
Lab Sample ID: JC92961-10
Matrix: SO - Soil
Method: SW846 8260C SW846 5035
Project: 37-11 30th Street, Queens, NY

Date Sampled: 08/07/19
Date Received: 08/08/19
Percent Solids: 91.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C166405.D	1	08/13/19 15:22	PS	08/08/19 21:00	n/a	V1C7289
Run #2							

	Initial Weight
Run #1	4.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.0	13	5.1	ug/kg	J
71-43-2	Benzene	ND	0.63	0.58	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	0.71	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.56	ug/kg	
75-25-2	Bromoform	ND	6.3	0.73	ug/kg	
74-83-9	Bromomethane [a]	ND	6.3	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	4.7	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.78	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.58	ug/kg	
75-00-3	Chloroethane	ND	6.3	0.75	ug/kg	
67-66-3	Chloroform	ND	2.5	0.62	ug/kg	
74-87-3	Chloromethane	ND	6.3	2.5	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.83	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.71	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.53	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.69	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.63	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.63	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	0.92	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.63	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.60	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.83	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.78	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.60	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.60	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.58	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.70	ug/kg	
76-13-1	Freon 113	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	6.3	2.7	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(3-4)		
Lab Sample ID:	JC92961-10	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.6
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	0.88	ug/kg	
79-20-9	Methyl Acetate	ND	6.3	1.8	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.60	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	2.9	ug/kg	
75-09-2	Methylene chloride	5.1	6.3	1.3	ug/kg	J
100-42-5	Styrene	ND	2.5	0.73	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.76	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.74	ug/kg	
108-88-3	Toluene	ND	1.3	0.67	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.61	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.70	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.97	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.87	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.61	ug/kg	
	m,p-Xylene	ND	1.3	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.74	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.74	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	101%		75-130%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	97%		79-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(3-4)		
Lab Sample ID:	JC92961-10	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 1311	**Percent Solids:**	91.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V60540.D	5	08/13/19 11:20	EH	08/10/19 19:30	GP22942	V2V2487
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0025	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	105%		64-135%
2037-26-5	Toluene-D8	94%		76-117%
460-00-4	4-Bromofluorobenzene	99%		72-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(3-4)		
Lab Sample ID:	JC92961-10	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	91.6
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63179.D	1	08/14/19 02:33	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	ND	7.2	2.2	mg/kg	
	EPH (> C28-C40)	ND	7.2	2.2	mg/kg	
	Total EPH (C9-C40)	ND	7.2	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		40-140%
3386-33-2	1-Chlorooctadecane	92%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186502.D	1	08/13/19 00:23	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	66	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	324	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	532	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	954	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	815	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	1050	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	519	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	342	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	61.2	74	5.0	ug/kg	J
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	425	74	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	74	15	ug/kg	
218-01-9	Chrysene	686	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	145	37	16	ug/kg	
132-64-9	Dibenzofuran	419	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	33.9	74	8.6	ug/kg	J
206-44-0	Fluoranthene	2480	37	16	ug/kg	
86-73-7	Fluorene	390	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	525	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	252	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	944	37	10	ug/kg	
98-95-3	Nitrobenzene [a]	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	2950	37	12	ug/kg	
129-00-0	Pyrene	1850	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	52%		27-114%
118-79-6	2,4,6-Tribromophenol	66%		19-152%
4165-60-0	Nitrobenzene-d5	68%		26-134%
321-60-8	2-Fluorobiphenyl	58%		39-124%
1718-51-0	Terphenyl-d14	69%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25270.D	1	08/12/19 07:25	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.60	ug/kg	
319-84-6	alpha-BHC	ND	0.73	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.54	ug/kg	
12789-03-6	Chlordane	ND	36	14	ug/kg	
60-57-1	Dieldrin	ND	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.73	0.67	ug/kg	
72-55-9	4,4'-DDE	ND	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT [b]	1.7	0.73	0.65	ug/kg	
72-20-8	Endrin	ND	0.73	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		25-135%
877-09-8	Tetrachloro-m-xylene	87%		25-135%
2051-24-3	Decachlorobiphenyl	95%		10-156%
2051-24-3	Decachlorobiphenyl	109%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2438689.D	1	08/15/19 18:31	TR	08/15/19 08:30	OP22116	GXX6774
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262 [a]	34.7	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	140%		31-146%
877-09-8	Tetrachloro-m-xylene	127%		31-146%
2051-24-3	Decachlorobiphenyl	131%		17-164%
2051-24-3	Decachlorobiphenyl	123%		17-164%

(a) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	90.2
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9780	58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.7	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Barium	52.6	23	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.43	0.23	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.58	0.58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Calcium	2660	580	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Chromium	30.8	1.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.8	5.8	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Copper	16.4	2.9	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Iron	13500	58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Lead	54.2	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3470	580	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Manganese	321	1.7	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.11	0.033	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.7	4.6	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Potassium	1640	1200	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.58	0.58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Vanadium	24.9	5.8	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Zinc	52.1	5.8	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47278
(3) Prep QC Batch: MP16796
(4) Prep QC Batch: MP16801

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	90.2
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	2.1	0.44	mg/kg	1	08/14/19 18:05	NV	SW846 3060A/7196A
Cyanide	< 0.25	0.25	mg/kg	1	08/13/19 13:52	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	355		mv	1	08/15/19 08:49	MS	ASTM D1498-76M
Solids, Percent	90.2		%	1	08/12/19 16:30	BG	SM2540 G 18TH ED MOD
pH	7.69		su	1	08/15/19 08:49	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P130944.D	1	08/14/19 00:10	AR	08/13/19 07:00	OP22090	EP5938
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-88%
4165-62-2	Phenol-d5	26%		10-110%
118-79-6	2,4,6-Tribromophenol	79%		39-149%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	82%		35-119%
1718-51-0	Terphenyl-d14	79%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA141771.D	1	08/14/19 16:28	VDT	08/13/19 08:00	OP22088	GOA4896
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0012	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	70%		13-169%
19719-28-9	2,4-DCAA	77%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	90.2
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25353.D	1	08/13/19 22:04	RK	08/13/19 09:00	OP22086	G8G873
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		30-137%
877-09-8	Tetrachloro-m-xylene	75%		30-137%
2051-24-3	Decachlorobiphenyl	99%		10-137%
2051-24-3	Decachlorobiphenyl	106%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	90.2
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.69 NC		su	1	08/15/19 08:49	MS	SW846 9045D
Cyanide Reactivity	< 11	11	mg/kg	1	08/14/19 13:12	KI	SW846 CHAP7/9012 B
HEM Oil and Grease	< 530	530	mg/kg	1	08/15/19 13:00	JOO	SW846 9071B
Ignitability (Flashpoint)	> 200		Deg. F	1	08/14/19 15:30	RI	SW846 1010A/ASTM D93
Paint Filter Test [a]	< 0.50	0.50	ml/100g	1	08/14/19 12:45	RI	SW846 9095/9095B
Solids, Total	909000	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED MOD
Solids, Total Volatile (wet wt.	22300	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED
Sulfide Reactivity	< 110	110	mg/kg	1	08/14/19 12:41	MP	SW846 CHAP7/9034
pH, Step 1 TCLP	7.05		su	1	08/11/19 10:30	TM	SW846 1311
pH, Step 2 TCLP	2.00		su	1	08/11/19 10:30	TM	SW846 1311
pH, TCLP Leachate	4.90		su	1	08/11/19 10:30	TM	SW846 1311

(a) No free liquids.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11B	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	90.2
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Ammonia-N ASTM Leachate [a]	1.9	0.20	mg/l	1	08/15/19 16:23	KI	SM4500NH3 H-11LACHAT
COD-ASTM Leachate [a]	30.0	20	mg/l	1	08/16/19 00:02	CM	SM5220 C-11,HACH8000
HEM Oil & Grease-ASTM L [a]	< 10	10	mg/l	1	08/15/19 16:00	JOO	EPA 1664A
Solids, Total-ASTM Leachate [a]	124	10	mg/l	1	08/15/19 16:21	RC	SM2540 B-11

(a) Result reported for Neutral Leachate ASTM 3987. Method ASTM 3987 is not a certifiable method. Refer to the appropriate regulatory program office for proper use.

RL = Reporting Limit

Report of Analysis

Client Sample ID: UT-3-WC(9-10)
Lab Sample ID: JC92961-12
Matrix: SO - Soil
Method: SW846 8260C SW846 5035
Project: 37-11 30th Street, Queens, NY

Date Sampled: 08/07/19
Date Received: 08/08/19
Percent Solids: 89.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C166406.D	1	08/13/19 15:48	PS	08/08/19 21:00	n/a	V1C7289
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.4	11	4.5	ug/kg	J
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.62	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.49	ug/kg	
75-25-2	Bromoform	ND	5.6	0.64	ug/kg	
74-83-9	Bromomethane [a]	ND	5.6	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.54	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.73	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.93	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.61	ug/kg	
76-13-1	Freon 113	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(9-10)		
Lab Sample ID:	JC92961-12	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.8
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	0.78	ug/kg	
79-20-9	Methyl Acetate	ND	5.6	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.97	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.5	ug/kg	
75-09-2	Methylene chloride	9.1	5.6	1.1	ug/kg	
100-42-5	Styrene	ND	2.2	0.64	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.65	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.62	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.85	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.76	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.54	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.65	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-127%
17060-07-0	1,2-Dichloroethane-D4	103%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	98%		79-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(9-10)		
Lab Sample ID:	JC92961-12	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 1311	**Percent Solids:**	89.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V60541.D	5	08/13/19 11:46	EH	08/10/19 19:30	GP22942	V2V2487
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0025	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	95%		76-117%
460-00-4	4-Bromofluorobenzene	99%		72-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-3-WC(9-10)		
Lab Sample ID:	JC92961-12	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	89.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63191.D	1	08/14/19 09:20	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	31.7	7.2	2.1	mg/kg	
	EPH (> C28-C40)	38.7	7.2	2.1	mg/kg	
	Total EPH (C9-C40)	70.4	7.2	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		40-140%
3386-33-2	1-Chlorooctadecane	97%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F186497.D	1	08/12/19 22:08	HSS	08/11/19 09:40	OP22045	EF8028
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	350	93	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	30.0	35	9.8	ug/kg	J
50-32-8	Benzo(a)pyrene	25.0	35	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	33.2	35	15	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	21.2	35	17	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	170	13	ug/kg	
86-74-8	Carbazole	ND	70	5.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	70	14	ug/kg	
218-01-9	Chrysene	26.0	35	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	70	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	8.7	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	8.1	ug/kg	
206-44-0	Fluoranthene	60.9	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	8.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	52.7	35	16	ug/kg	
78-59-1	Isophorone	ND	70	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.9	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.0	ug/kg	
91-20-3	Naphthalene	ND	35	9.8	ug/kg	
98-95-3	Nitrobenzene [a]	ND	70	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	46.1	35	12	ug/kg	
129-00-0	Pyrene	54.2	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	62%		27-114%
118-79-6	2,4,6-Tribromophenol	76%		19-152%
4165-60-0	Nitrobenzene-d5	76%		26-134%
321-60-8	2-Fluorobiphenyl	66%		39-124%
1718-51-0	Terphenyl-d14	77%		36-134%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25271.D	1	08/12/19 07:41	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.51	ug/kg	
12789-03-6	Chlordane	ND	35	13	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	0.61	ug/kg	
50-29-3	4,4'-DDT [b]	ND	0.70	0.62	ug/kg	
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		25-135%
877-09-8	Tetrachloro-m-xylene	79%		25-135%
2051-24-3	Decachlorobiphenyl	93%		10-156%
2051-24-3	Decachlorobiphenyl	101%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190655.D	1	08/13/19 02:26	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		31-146%
877-09-8	Tetrachloro-m-xylene	124%		31-146%
2051-24-3	Decachlorobiphenyl	108%		17-164%
2051-24-3	Decachlorobiphenyl	119%		17-164%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	95.8
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5780	50	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.0	2.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.0	2.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Barium	30.6	20	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.25	0.20	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.50	0.50	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Calcium	1700	500	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Chromium	12.6	0.99	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.0	5.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Copper	13.9	2.5	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Iron	7900	50	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Lead	21.2	2.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2280	500	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Manganese	206	1.5	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.032	0.032	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	9.9	4.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 990	990	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.0	2.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.50	0.50	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 990	990	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 0.99	0.99	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Vanadium	14.1	5.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Zinc	41.2	5.0	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47278
(3) Prep QC Batch: MP16796
(4) Prep QC Batch: MP16801

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	95.8
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	08/14/19 18:05	NV	SW846 3060A/7196A
Cyanide	< 0.22	0.22	mg/kg	1	08/13/19 13:56	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	346		mv	1	08/15/19 08:52	MS	ASTM D1498-76M
Solids, Percent	95.8		%	1	08/12/19 16:30	BG	SM2540 G 18TH ED MOD
pH	7.99		su	1	08/15/19 08:52	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P130945.D	1	08/14/19 00:37	AR	08/13/19 07:00	OP22090	EP5938
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		14-88%
4165-62-2	Phenol-d5	29%		10-110%
118-79-6	2,4,6-Tribromophenol	81%		39-149%
4165-60-0	Nitrobenzene-d5	88%		32-128%
321-60-8	2-Fluorobiphenyl	83%		35-119%
1718-51-0	Terphenyl-d14	79%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA141772.D	1	08/14/19 16:56	VDT	08/13/19 08:00	OP22088	GOA4896
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0012	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	51%		13-169%
19719-28-9	2,4-DCAA	53%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	95.8
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25357.D	1	08/14/19 01:15	RK	08/13/19 09:00	OP22086	G8G873
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		30-137%
877-09-8	Tetrachloro-m-xylene	76%		30-137%
2051-24-3	Decachlorobiphenyl	96%		10-137%
2051-24-3	Decachlorobiphenyl	108%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	95.8
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.99 NC		su	1	08/15/19 08:52	MS	SW846 9045D
Cyanide Reactivity	< 11	11	mg/kg	1	08/14/19 13:14	KI	SW846 CHAP7/9012 B
HEM Oil and Grease	< 510	510	mg/kg	1	08/15/19 13:00	JOO	SW846 9071B
Ignitability (Flashpoint)	> 200		Deg. F	1	08/14/19 15:30	RI	SW846 1010A/ASTM D93
Paint Filter Test [a]	< 0.50	0.50	ml/100g	1	08/14/19 12:45	RI	SW846 9095/9095B
Solids, Total	959000	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED MOD
Solids, Total Volatile (wet wt.	7030	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED
Sulfide Reactivity	< 110	110	mg/kg	1	08/14/19 12:41	MP	SW846 CHAP7/9034
pH, Step 1 TCLP	6.58		su	1	08/11/19 10:30	TM	SW846 1311
pH, Step 2 TCLP	1.98		su	1	08/11/19 10:30	TM	SW846 1311
pH, TCLP Leachate	4.74		su	1	08/11/19 10:30	TM	SW846 1311

(a) No free liquids.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13B	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	95.8
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Ammonia-N ASTM Leachate [a]	< 0.20	0.20	mg/l	1	08/15/19 16:25	KI	SM4500NH3 H-11LACHAT
COD-ASTM Leachate [a]	60.0	20	mg/l	1	08/16/19 00:02	CM	SM5220 C-11,HACH8000
HEM Oil & Grease-ASTM L [a]	< 7.1	7.1	mg/l	1	08/15/19 16:00	JOO	EPA 1664A
Solids, Total-ASTM Leachate [a]	55.0	10	mg/l	1	08/15/19 16:21	RC	SM2540 B-11

(a) Result reported for Neutral Leachate ASTM 3987. Method ASTM 3987 is not a certifiable method. Refer to the appropriate regulatory program office for proper use.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-4-WC(4-5)		
Lab Sample ID:	JC92961-14	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C166407.D	1	08/13/19 16:15	PS	08/08/19 21:00	n/a	V1C7289
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.7	ug/kg	
71-43-2	Benzene	ND	0.58	0.53	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.65	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.52	ug/kg	
75-25-2	Bromoform	ND	5.8	0.67	ug/kg	
74-83-9	Bromomethane [a]	ND	5.8	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	4.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.53	ug/kg	
75-00-3	Chloroethane	ND	5.8	0.69	ug/kg	
67-66-3	Chloroform	ND	2.3	0.57	ug/kg	
74-87-3	Chloromethane	ND	5.8	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.76	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.97	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.65	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.49	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.64	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.58	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.57	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	0.85	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.76	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.98	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.53	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.64	ug/kg	
76-13-1	Freon 113	ND	5.8	1.2	ug/kg	
591-78-6	2-Hexanone	ND	5.8	2.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(4-5)		
Lab Sample ID:	JC92961-14	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.5
Project:	37-11 30th Street, Queens, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.81	ug/kg	
79-20-9	Methyl Acetate	ND	5.8	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.55	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.6	ug/kg	
75-09-2	Methylene chloride	3.6	5.8	1.2	ug/kg	J
100-42-5	Styrene	ND	2.3	0.67	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.70	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.67	ug/kg	
108-88-3	Toluene	ND	1.2	0.61	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.56	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.64	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.89	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.80	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.56	ug/kg	
	m,p-Xylene	ND	1.2	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.68	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.68	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	102%		75-130%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	98%		79-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(4-5)		
Lab Sample ID:	JC92961-14	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8260C SW846 1311	**Percent Solids:**	95.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V60542.D	5	08/13/19 12:12	EH	08/10/19 19:30	GP22942	V2V2487
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0025	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	94%		76-117%
460-00-4	4-Bromofluorobenzene	100%		72-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-4-WC(4-5)		
Lab Sample ID:	JC92961-14	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	NJDEP EPH SW846 3546	**Percent Solids:**	95.5
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Y63182.D	1	08/14/19 04:15	CP	08/13/19 16:25	OP22094	G4Y2217
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	2.0 ml
Run #2		

NJDEP EPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	EPH (C9-C28)	84.8	6.9	2.1	mg/kg	
	EPH (> C28-C40)	60.0	6.9	2.1	mg/kg	
	Total EPH (C9-C40)	145	6.9	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		40-140%
3386-33-2	1-Chlorooctadecane	109%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M114041.D	1	08/13/19 05:57	CS	08/12/19 15:30	OP22002	E2M5073
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	80	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	71	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	80	26	ug/kg	
	3&4-Methylphenol	ND	80	33	ug/kg	
88-75-5	2-Nitrophenol	ND	200	27	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	80	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene [a]	ND	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.6	ug/kg	
120-12-7	Anthracene	ND	40	25	ug/kg	
1912-24-9	Atrazine	ND	80	17	ug/kg	
56-55-3	Benzo(a)anthracene	17.1	40	11	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	40	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	9.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	80	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	10	ug/kg	
91-58-7	2-Chloronaphthalene [a]	ND	80	9.6	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	80	5.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	80	16	ug/kg	
218-01-9	Chrysene	13.1	40	13	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	80	8.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	80	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	80	33	ug/kg	
123-91-1	1,4-Dioxane	ND	40	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	18	ug/kg	
132-64-9	Dibenzofuran [a]	ND	80	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	6.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	10	ug/kg	
84-66-2	Diethyl phthalate	ND	80	8.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	7.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	80	9.4	ug/kg	
206-44-0	Fluoranthene	31.7	40	18	ug/kg	J
86-73-7	Fluorene	ND	40	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40	19	ug/kg	
78-59-1	Isophorone	ND	80	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	9.1	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.5	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline [a]	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	80	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND	80	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	31.6	40	13	ug/kg	J
129-00-0	Pyrene	26.0	40	13	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		23-115%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3546	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	44%		27-114%
118-79-6	2,4,6-Tribromophenol	63%		19-152%
4165-60-0	Nitrobenzene-d5	60%		26-134%
321-60-8	2-Fluorobiphenyl	47%		39-124%
1718-51-0	Terphenyl-d14	65%		36-134%

(a) Associated CCV outside of control limits low. Low level standard analyzed to demonstrate system suitability to detect affected analytes.
(b) Associated CCV outside of control limits high, sample was ND.

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3546	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25272.D	1	08/12/19 07:58	CP	08/11/19 10:00	OP22041	G8G870
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.77	0.64	ug/kg	
319-84-6	alpha-BHC	ND	0.77	0.63	ug/kg	
319-85-7	beta-BHC	ND	0.77	0.70	ug/kg	
319-86-8	delta-BHC	ND	0.77	0.74	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.77	0.57	ug/kg	
12789-03-6	Chlordane	ND	39	15	ug/kg	
60-57-1	Dieldrin	ND	0.77	0.53	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.77	0.71	ug/kg	
72-55-9	4,4'-DDE	1.0	0.77	0.68	ug/kg	
50-29-3	4,4'-DDT [b]	2.8	0.77	0.69	ug/kg	
72-20-8	Endrin	ND	0.77	0.60	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.77	0.61	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.77	0.44	ug/kg	
959-98-8	Endosulfan-I	ND	0.77	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	0.77	0.48	ug/kg	
76-44-8	Heptachlor	ND	0.77	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.77	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.62	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		25-135%
877-09-8	Tetrachloro-m-xylene	95%		25-135%
2051-24-3	Decachlorobiphenyl	116%		10-156%
2051-24-3	Decachlorobiphenyl	121%		10-156%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8082A SW846 3546	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF190656.D	1	08/13/19 02:51	TR	08/11/19 10:00	OP22042	GEF6474
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	18	ug/kg	
11104-28-2	Aroclor 1221	ND	39	24	ug/kg	
11141-16-5	Aroclor 1232	ND	39	25	ug/kg	
53469-21-9	Aroclor 1242	ND	39	16	ug/kg	
12672-29-6	Aroclor 1248	ND	39	35	ug/kg	
11097-69-1	Aroclor 1254	ND	39	21	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	39	17	ug/kg	
11100-14-4	Aroclor 1268	ND	39	16	ug/kg	
37324-23-5	Aroclor 1262	ND	39	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	134%		31-146%
877-09-8	Tetrachloro-m-xylene	162% [b]		31-146%
2051-24-3	Decachlorobiphenyl	142%		17-164%
2051-24-3	Decachlorobiphenyl	154%		17-164%

(a) This compound outside control limits biased high in the associated BS.
(b) High percent recoveries and no positive found in the sample.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	81.7
Project:	37-11 30th Street, Queens, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8520	58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.3	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Barium	53.9	23	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.40	0.23	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.58	0.58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Calcium	6590	580	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Chromium	16.9	1.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Cobalt	6.6	5.8	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Copper	17.2	2.9	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Iron	13300	58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Lead	36.0	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3700	580	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Manganese	352	1.7	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.32	0.037	mg/kg	1	08/12/19	08/12/19	LL	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.5	4.7	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Potassium	1830	1200	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.58	0.58	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Vanadium	22.2	5.8	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]
Zinc	59.1	5.8	mg/kg	1	08/12/19	08/13/19	EAL	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA47267
(2) Instrument QC Batch: MA47278
(3) Prep QC Batch: MP16796
(4) Prep QC Batch: MP16801

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	81.7
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.63	0.49	mg/kg	1	08/14/19 18:05	NV	SW846 3060A/7196A
Cyanide	< 0.25	0.25	mg/kg	1	08/13/19 13:58	KI	SW846 9012B/LACHAT
Redox Potential Vs H2	341		mv	1	08/15/19 08:56	MS	ASTM D1498-76M
Solids, Percent	81.7		%	1	08/12/19 16:30	BG	SM2540 G 18TH ED MOD
pH	8.27		su	1	08/15/19 08:56	MS	SW846 9045D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P130946.D	1	08/14/19 01:05	AR	08/13/19 07:00	OP22090	EP5938
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-88%
4165-62-2	Phenol-d5	25%		10-110%
118-79-6	2,4,6-Tribromophenol	78%		39-149%
4165-60-0	Nitrobenzene-d5	87%		32-128%
321-60-8	2-Fluorobiphenyl	82%		35-119%
1718-51-0	Terphenyl-d14	76%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA141773.D	1	08/14/19 17:25	VDT	08/13/19 08:00	OP22088	GOA4896
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0012	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	84%		13-169%
19719-28-9	2,4-DCAA	87%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	81.7
Project:	37-11 30th Street, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G25358.D	1	08/14/19 01:31	RK	08/13/19 09:00	OP22086	G8G873
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		30-137%
877-09-8	Tetrachloro-m-xylene	67%		30-137%
2051-24-3	Decachlorobiphenyl	88%		10-137%
2051-24-3	Decachlorobiphenyl	95%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15A	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	81.7
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.27 NC		su	1	08/15/19 08:56	MS	SW846 9045D
Cyanide Reactivity	< 13	13	mg/kg	1	08/14/19 13:15	KI	SW846 CHAP7/9012 B
HEM Oil and Grease	< 610	610	mg/kg	1	08/15/19 13:00	JOO	SW846 9071B
Ignitability (Flashpoint)	> 200		Deg. F	1	08/14/19 15:30	RI	SW846 1010A/ASTM D93
Paint Filter Test [a]	< 0.50	0.50	ml/100g	1	08/14/19 12:45	RI	SW846 9095/9095B
Solids, Total	849000	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED MOD
Solids, Total Volatile (wet wt.	15000	100	mg/kg	1	08/12/19 16:47	RC	SM2540 G 18TH ED
Sulfide Reactivity	< 130	130	mg/kg	1	08/14/19 12:41	MP	SW846 CHAP7/9034
pH, Step 1 TCLP	6.85		su	1	08/11/19 10:30	TM	SW846 1311
pH, Step 2 TCLP	1.99		su	1	08/11/19 10:30	TM	SW846 1311
pH, TCLP Leachate	4.78		su	1	08/11/19 10:30	TM	SW846 1311

(a) No free liquids.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15B	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	81.7
Project:	37-11 30th Street, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Ammonia-N ASTM Leachate [a]	< 0.20	0.20	mg/l	1	08/15/19 16:26	KI	SM4500NH3 H-11LACHAT
COD-ASTM Leachate [a]	< 20	20	mg/l	1	08/16/19 00:02	CM	SM5220 C-11,HACH8000
HEM Oil & Grease-ASTM L [a]	< 6.3	6.3	mg/l	1	08/15/19 16:00	JOO	EPA 1664A
Solids, Total-ASTM Leachate [a]	43.0	10	mg/l	1	08/15/19 16:21	RC	SM2540 B-11

(a) Result reported for Neutral Leachate ASTM 3987. Method ASTM 3987 is not a certifiable method. Refer to the appropriate regulatory program office for proper use.

RL = Reporting Limit

SO
SLV

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

JC92961 Page 1 of 2 Page #1

FED-EX Tracking #: | Bottle Order Control #: KR-085719-76
SGS Quote #: | SGS Job #: JC92961

Client / Reporting Information

Company Name: Soil Managers
Street Address: 47 Warren Road
City: West Orange State: NJ Zip:
Project Contact: Todd E. Sarett E-mail:
Phone #: 973 222-0145
Sampler(s) Name(s): Todd E. Sarett Phone #:

Project Information

Project Name: 37-11 30th Street
Street:
City: Queens State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name: Soil Managers
Street Address:
City: State: Zip:
Attention: Todd E. Sarett

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TAL/TCL+30 + CP VI	VOC + EDB + VOC TCLP	Full form TCL	TCLP Metals + Ig, Cr, Pb	Sp. Be, Cu, Ni, Tl, Zn	LAB USE ONLY
1	UT-1-WC (0-8)		8/7/19	10:30	TS	C	S	1					X				X		X	H		4K4
2	UT-1-WC (5-6')			10:33		G	S	8						5		5		X				4I4
3	UT-1-WC (8-16)			10:36		C		1					X				X		X			
4	UT-1-WC (9-10)			10:38		G		8						3		5		X				4I2
5	UT-2-WC (0-8)			10:50		C		1					X				X		X			
6	UT-2-WC (4-5')			10:51		G		8						3		5		X				1475
7	UT-2-WC (8-16)			10:55		C		1					X				X		X			4022
8	UT-2-WC (9-10)			11:03		G		8						3		5		X				
9	UT-3-WC (0-8)			11:05		C		1					X				X		X			M29
10	UT-3-WC (3-4)			11:10		G		8						3		5		X				
11	UT-3-WC (8-16)			11:20		C		1					X				X		X			
12	UT-3-WC (9-10)			11:25		G		8						3		5		X				

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via Labank

* Approval needed for 1-3 Business Day TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format
- DOD-QSM5

Commercial "A" = Results only, Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

H=Hold, only on Comps
Dont Duplicate PCB

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		8/7/19 2045	
2		8/8/19 0800	
3		8-8-19	
4			
5			

Custody Seal #: 28304 Intact / Not intact | Preserved where applicable: Absent | Therm. ID | On Ice | Cooler Temp. °C: 4.6°C

KR-7

28305 • 3x5g encore
2x25g encore

4.3°C IP

INITIAL ASESSMENT SBD

LABEL VERIFICATION

SGS-ACCUTEST MARLBOR 8/8

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job #

Client / Reporting Information
Company Name: Sal Managers
Street Address:
City State Zip:
Project Contact E-mail:
Phone #:
Sampler(s) Name(s) Phone #:

Project Information
Project Name: 37-11 30th Street
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Number of preserved Bottles: HCl	MeOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOC Terpenes, EDB, Voc TCLP	TAL/TCL 130 CrVI	Full form U	Sb, Be, Cu TCLP Metals Ni, Tl, Zn	LAB USE ONLY
13	VT-4-WC (0-8)		8/7/19	13:17	TSG	C	S	1					X				X	X	X	H	
14	VT-4-WC (4-5)			13:20		G	S	8					3			5	X			H	
15	VT-5-WC (0-8)			13:29		C	S	1					X					X	X	H	
16	VT-5-WC (5-6)			13:30		G	S	8					3			5	X			H	

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turn Around Time (Business Days)
Approved By (SGS PM): / Date:
- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other
All data available via Labilink. * Approval needed for 1-3 Business Day TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
H = Hold only on Comps
Dont Duplicate PCB

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		8/7/19 2035	
2		8/8/19 0800	
3		8-8-19 1215	
4			
5			

Custody Seal # | Intact | Not Intact | Absent
Preserved where applicable | Therm. ID | On Ice | Cooler Temp. °C

SGS-ACCUTEST MARLBOR 8/7

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

SGS Sample Receipt Summary

Job Number: JC92961 **Client:** SOIL MANAGERS/LNT81V,INC. **Project:** 37-11 30TH STREET, NY

Date / Time Received: 8/8/2019 8:00:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.3); Cooler 2: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.2); Cooler 2: (4.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JC92961: Chain of Custody
Page 3 of 3

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

LNT81V, Inc

37-11 30th Street, Queens, NY

SGS Job Number: JC92961R

Sampling Date: 08/07/19

Report to:

LNT81V, Inc

tsarett@gmail.com

ATTN: Todd Sarett

Total number of pages in report: **18**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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EHS.US.CustomerCare@sgs.com

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Sample Summary

LNT81V, Inc

37-11 30th Street, Queens, NY

Job No: JC92961R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC92961-1AR	08/07/19	10:30	TS	08/08/19	SO	Soil	UT-1-WC(0-8)
JC92961-3AR	08/07/19	10:36	TS	08/08/19	SO	Soil	UT-1-WC(8-16)
JC92961-5AR	08/07/19	10:50	TS	08/08/19	SO	Soil	UT-2-WC(0-8)
JC92961-7AR	08/07/19	10:55	TS	08/08/19	SO	Soil	UT-2-WC(8-16)
JC92961-9AR	08/07/19	11:05	TS	08/08/19	SO	Soil	UT-3-WC(0-8)
JC92961-11AR	08/07/19	11:20	TS	08/08/19	SO	Soil	UT-3-WC(8-16)
JC92961-13AR	08/07/19	13:17	TS	08/08/19	SO	Soil	UT-4-WC(0-8)
JC92961-15AR	08/07/19	13:25	TS	08/08/19	SO	Soil	UT-5-WC(0-8)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC92961R
Account: LNT81V, Inc
Project: 37-11 30th Street, Queens, NY
Collected: 08/07/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC92961-1AR	**UT-1-WC(0-8)**					
No hits reported in this sample.						
JC92961-3AR	**UT-1-WC(8-16)**					
No hits reported in this sample.						
JC92961-5AR	**UT-2-WC(0-8)**					
No hits reported in this sample.						
JC92961-7AR	**UT-2-WC(8-16)**					
No hits reported in this sample.						
JC92961-9AR	**UT-3-WC(0-8)**					
No hits reported in this sample.						
JC92961-11AR	**UT-3-WC(8-16)**					
Zinc		0.15	0.10		mg/l	SW846 6010D
JC92961-13AR	**UT-4-WC(0-8)**					
Zinc		0.20	0.10		mg/l	SW846 6010D
JC92961-15AR	**UT-5-WC(0-8)**					
Zinc		0.66	0.10		mg/l	SW846 6010D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	UT-1-WC(0-8)		
Lab Sample ID:	JC92961-1AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.7
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 0.10			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47309
(3) Prep QC Batch: MP16850
(4) Prep QC Batch: MP16858

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	UT-1-WC(8-16)		
Lab Sample ID:	JC92961-3AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.1
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [3]	SW846 3010A [4]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [3]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [3]	SW846 3010A [4]
Zinc	< 0.10			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47305
(3) Instrument QC Batch: MA47309
(4) Prep QC Batch: MP16850
(5) Prep QC Batch: MP16858

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	UT-2-WC(0-8)		
Lab Sample ID:	JC92961-5AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.3
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 0.10			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47305
(3) Prep QC Batch: MP16850
(4) Prep QC Batch: MP16858

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	UT-2-WC(8-16)		
Lab Sample ID:	JC92961-7AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	94.1
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 0.10			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47305
(3) Prep QC Batch: MP16850
(4) Prep QC Batch: MP16858

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	UT-3-WC(0-8)		
Lab Sample ID:	JC92961-9AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	91.9
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [3]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 0.10			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47305
(3) Prep QC Batch: MP16792
(4) Prep QC Batch: MP16799

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	UT-3-WC(8-16)		
Lab Sample ID:	JC92961-11AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	90.2
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [3]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Zinc	0.15			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47305
(3) Prep QC Batch: MP16792
(4) Prep QC Batch: MP16799

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	UT-4-WC(0-8)		
Lab Sample ID:	JC92961-13AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	95.8
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [3]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Zinc	0.20			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47305
(3) Prep QC Batch: MP16792
(4) Prep QC Batch: MP16799

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	UT-5-WC(0-8)		
Lab Sample ID:	JC92961-15AR	**Date Sampled:**	08/07/19
Matrix:	SO - Soil	**Date Received:**	08/08/19
		Percent Solids:	81.7
Project:	37-11 30th Street, Queens, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.020	D006	1.0	0.020	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.050	D007	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Copper	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	08/19/19	08/19/19	LL	SW846 7470A [1]	SW846 7470A [3]
Nickel	< 0.050			0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.050	D011	5.0	0.050	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]
Zinc	0.66			0.10	mg/l	5	08/19/19	08/20/19	EAL	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA47300
(2) Instrument QC Batch: MA47305
(3) Prep QC Batch: MP16792
(4) Prep QC Batch: MP16799

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS

SO
SLV

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

JC92961 Page 1 of 2

Page #1

FED-EX Tracking #: | Bottle Order Control #: KR-08579-76
SGS Quote #: | SGS Job #: JC92961

Client / Reporting Information

Company Name: Soil Managers
Street Address: 47 Warren Road
City: West Orange State: NJ Zip:
Project Contact: Todd E. Sarett E-mail:
Phone #: 973 222-0145
Sampler(s) Name(s): Todd E. Sarett Phone #:

Project Information

Project Name: 37-11 30th Street
Street:
City: Queens State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name: Soil Managers
Street Address:
City: State: Zip:
Attention: Todd E. Sarett

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Core (C)	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TAL/TCL+30 + CP VI	VOC + TCLP	Full form VOC, EPH, TCLP	TCLP Metals + Sp. Cond., pH, Ignitability	LAB USE ONLY
1	UT-1-WC (0-8)		8/7/19	10:30	TS	C	S	1					X				X		X	H	4K4
2	UT-1-WC (5-6')			10:33		G	S	8					3		5			X			4J4
3	UT-1-WC (8-16)			10:36		C		1					X				X		X		
4	UT-1-WC (9-10)			10:38		G		8					3		5			X			4J2
5	UT-2-WC (0-8)			10:50		C		1					X				X		X		
6	UT-2-WC (4-5')			10:51		G		8					3		5			X			14J5
7	UT-2-WC (8-16)			10:55		C		1					X				X		X		4022
8	UT-2-WC (9-10)			11:00		G		8					3		5			X			
9	UT-3-WC (0-8)			11:05		C		1					X				X		X		M29
10	UT-3-WC (3-4)			11:10		G		8					3		5			X			
11	UT-3-WC (8-16)			11:20		C		1					X				X		X		
12	UT-3-WC (9-10)			11:25		G		8					3		5			X			

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via Labank

* Approval needed for 1-3 Business Day TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format
- DOD-QSM5

Commercial "A" = Results only, Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

H=Hold, only on Comps
Dont Duplicate PCB

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		8/7/19 2045	
2		8/8/19 0800	
3		8-8-19	
4			
5			

Custody Seal #: 28304 Intact / Not intact | Preserved where applicable: Absent | Therm. ID | On Ice | Cooler Temp. °C: 4.6°C

28305 • 3x5g encore
2x25g encore

4.3°C

KR-7

INITIAL ASESSMENT SBD

LABEL VERIFICATION

SGS-ACCUTEST MARLBOR

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job #

Client / Reporting Information
Company Name: Sal Managers
Street Address:
City State Zip:
Project Contact E-mail:
Phone #:
Sampler(s) Name(s) Phone #:

Project Information
Project Name: 37-11 30th Street
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Number of preserved Bottles: HCl	MeOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOC Target + EDB, Voc TCLP	TAL/TCL 130 CrVI	Full form U	Sb, Be, Cu, Tl, Ni, Zn TCLP Metals	LAB USE ONLY
13	VT-4-WC (0-4)		8/7/19	13:17	TS	C	S	1					X				X	X	X	H	
14	VT-4-WC (4-5)			13:20		G	S	8					3			5	X	X		H	
15	VT-5-WC (0-4)			13:25		C	S	1					X				X	X	X	H	
16	VT-5-WC (5-6)			13:30		G	S	8					3			5	X			H	

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turn Around Time (Business Days)
Approved By (SGS PM): / Date:
- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via Labilink. * Approval needed for 1-3 Business Day TAT

Deliverable
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format
- DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
H = Hold only on Comps
Dont Duplicate PCB

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		8/7/19 2035	
2		8/8/19 0800	
3		8-8-19 1215	
4			
5			

Custody Seal # | Intact | Not Intact | Absent
Preserved where applicable | Therm. ID | On Ice | Cooler Temp. °C

SGS-ACCUTEST MARLBOR 8/7

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

JC92961R: Chain of Custody
Page 2 of 4

SGS Sample Receipt Summary

Job Number: JC92961 **Client:** SOIL MANAGERS/LNT81V,INC. **Project:** 37-11 30TH STREET, NY

Date / Time Received: 8/8/2019 8:00:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.3); Cooler 2: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.2); Cooler 2: (4.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JC92961R: Chain of Custody
Page 3 of 4

Job Change Order: JC92961

Requested Date:	8/16/2019	**Received Date:**	8/8/2019
Account Name:	LNT81V, Inc	**Due Date:**	8/22/2019
Project Description:	37-11 30th Street, Queens, NY	**Deliverable:**	COMMA
C/O Initiated By:	AK **PM:** KR	**TAT (Days):**	3

Sample #: JC92961-1A, 3A, 5A, 7A, 9A, 11A, 13A, 15A

Change: Relog for TCLPE, TCLPM, EAG, ECU,ENI,EZN

Dept:

TAT: 3

Above Changes Per: Todd Sarett **Date/Time:** 8/16/2019 3:04:44 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.